



FIG. 1

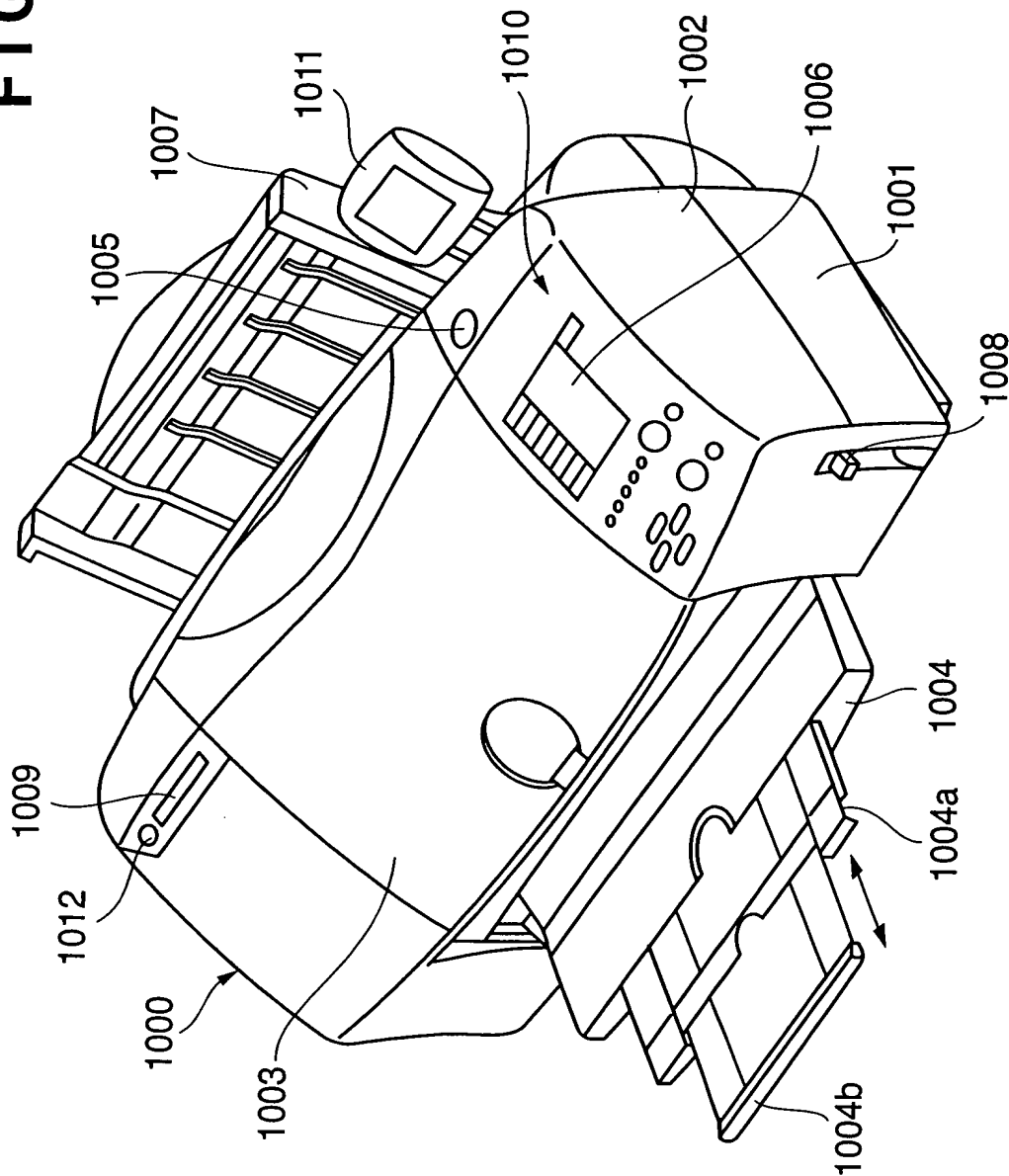
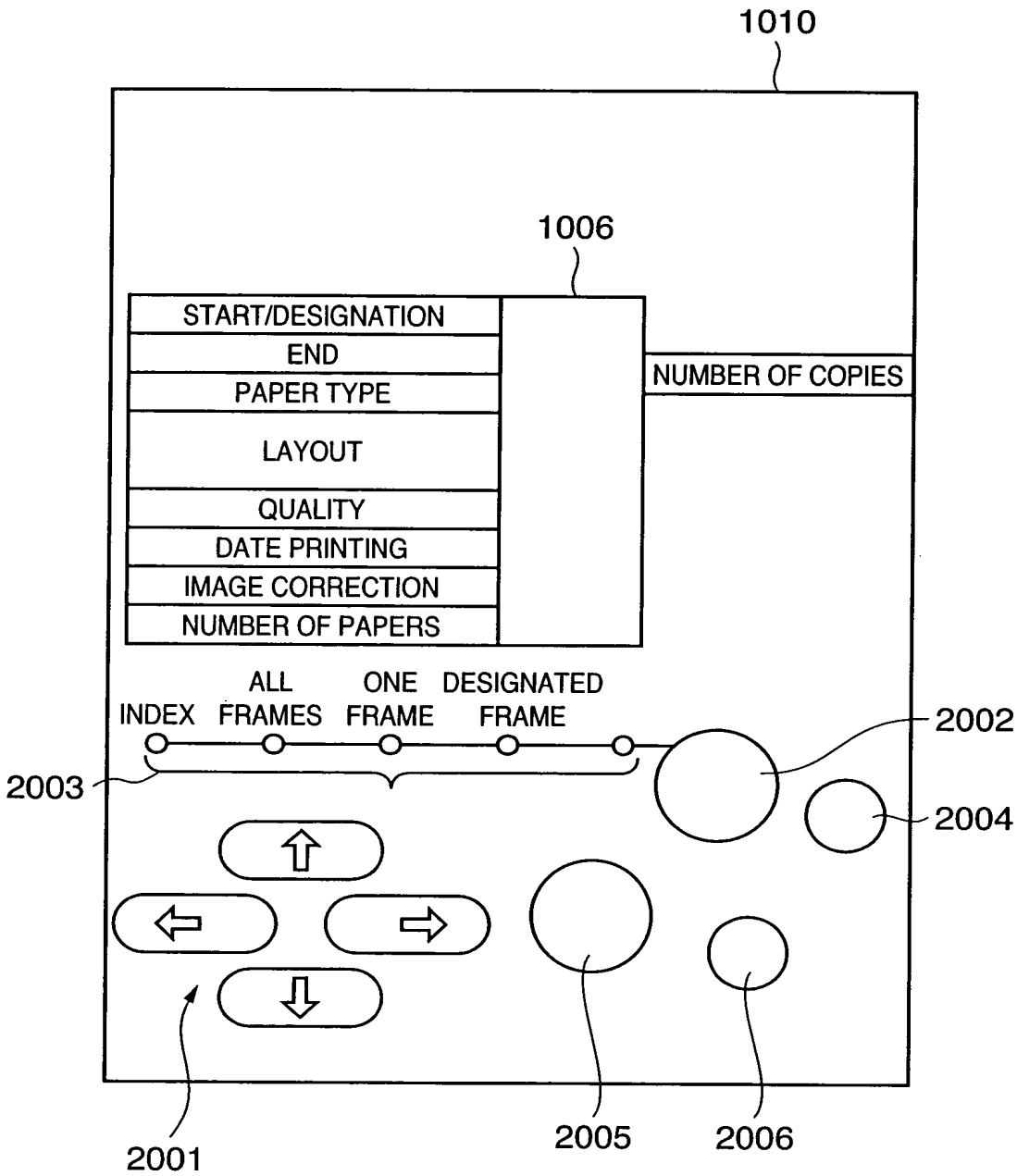




FIG. 2





3/44

FIG. 3

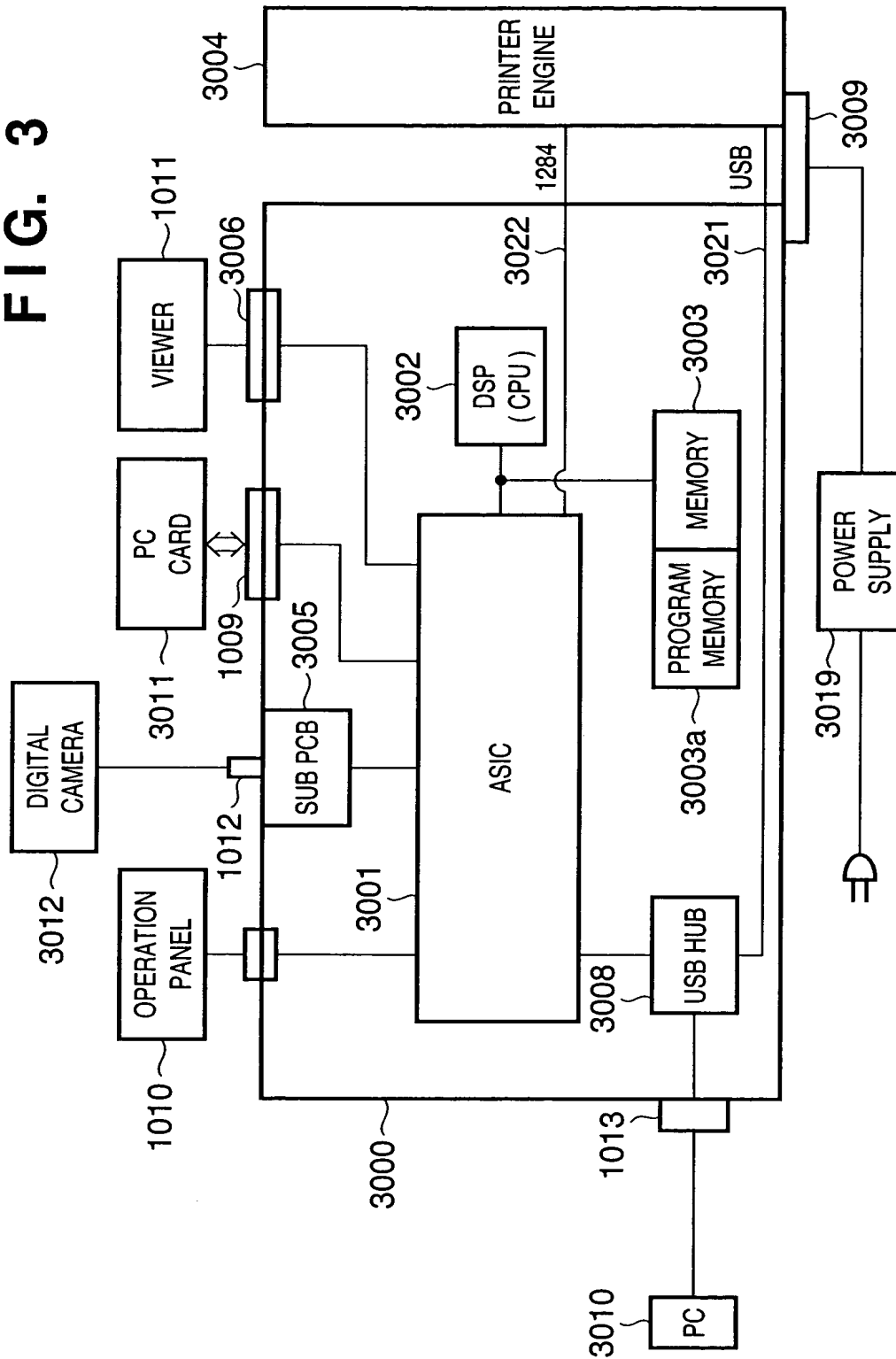




FIG. 4

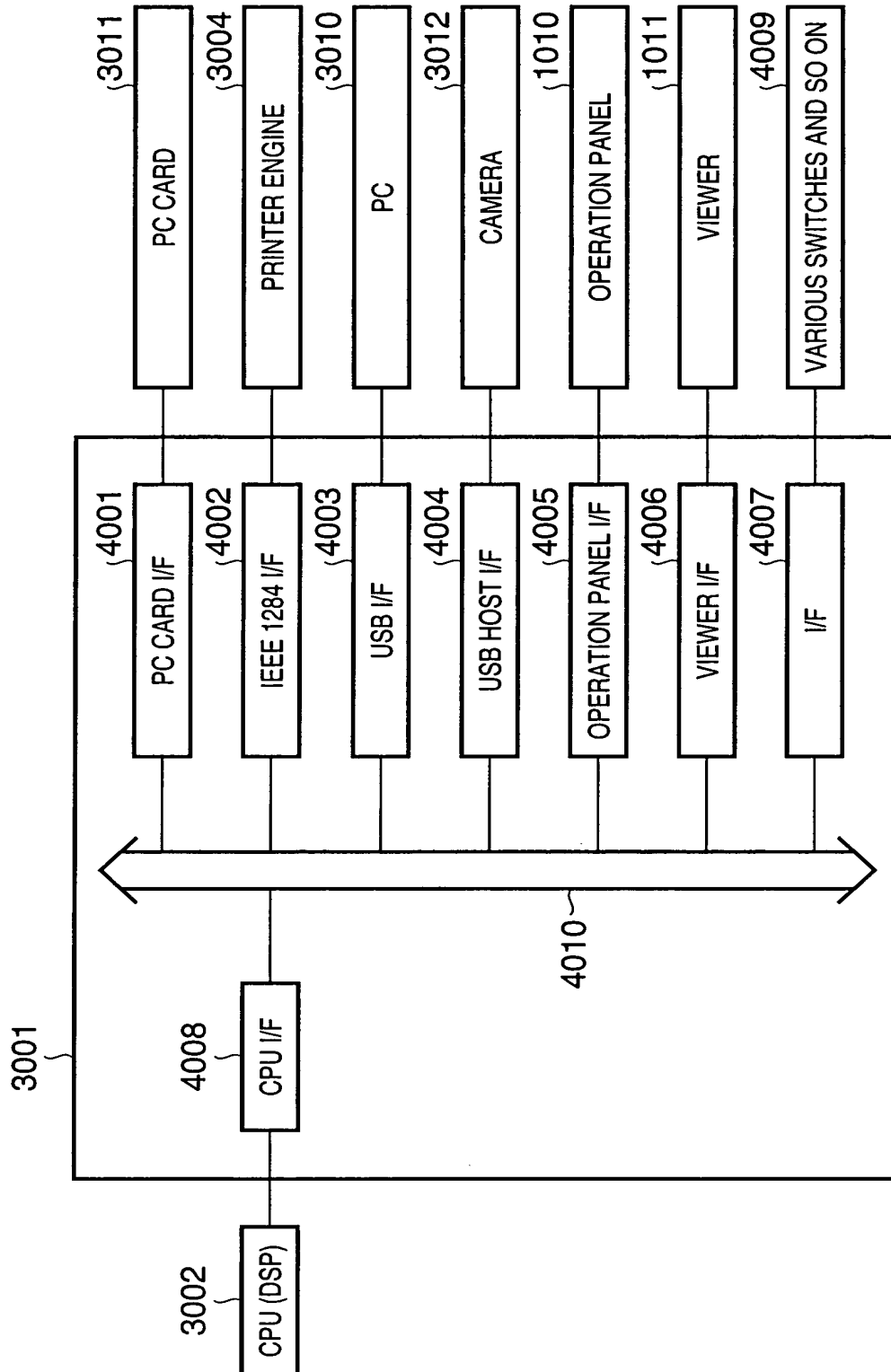




FIG. 5

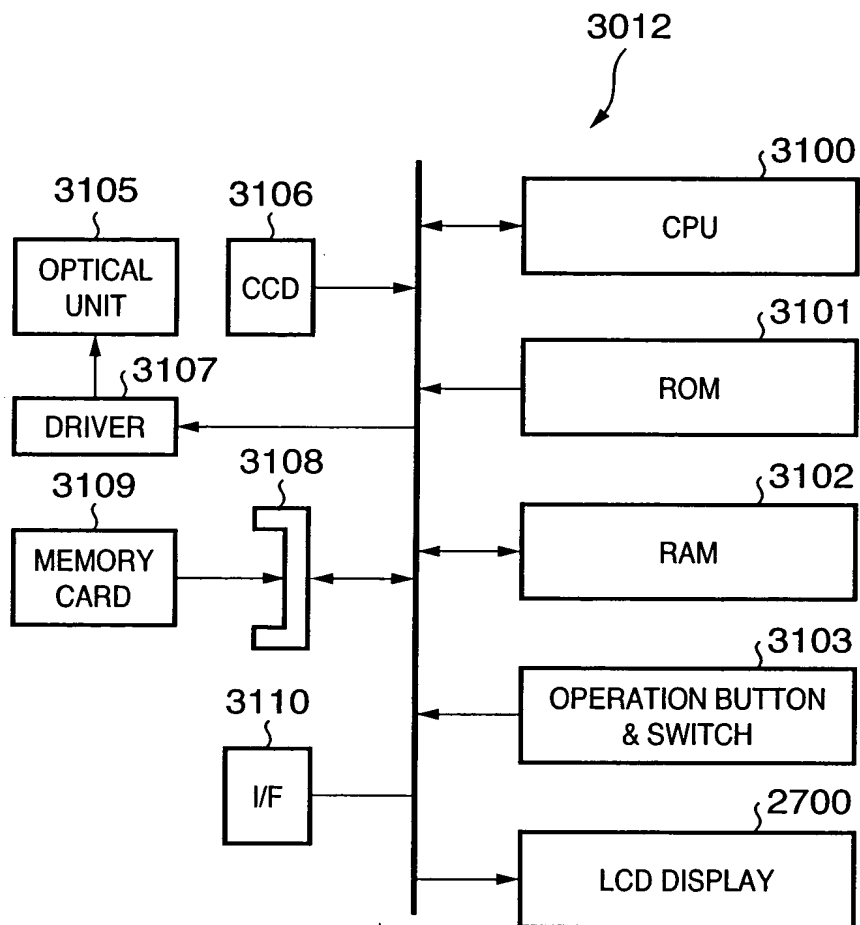


FIG. 6

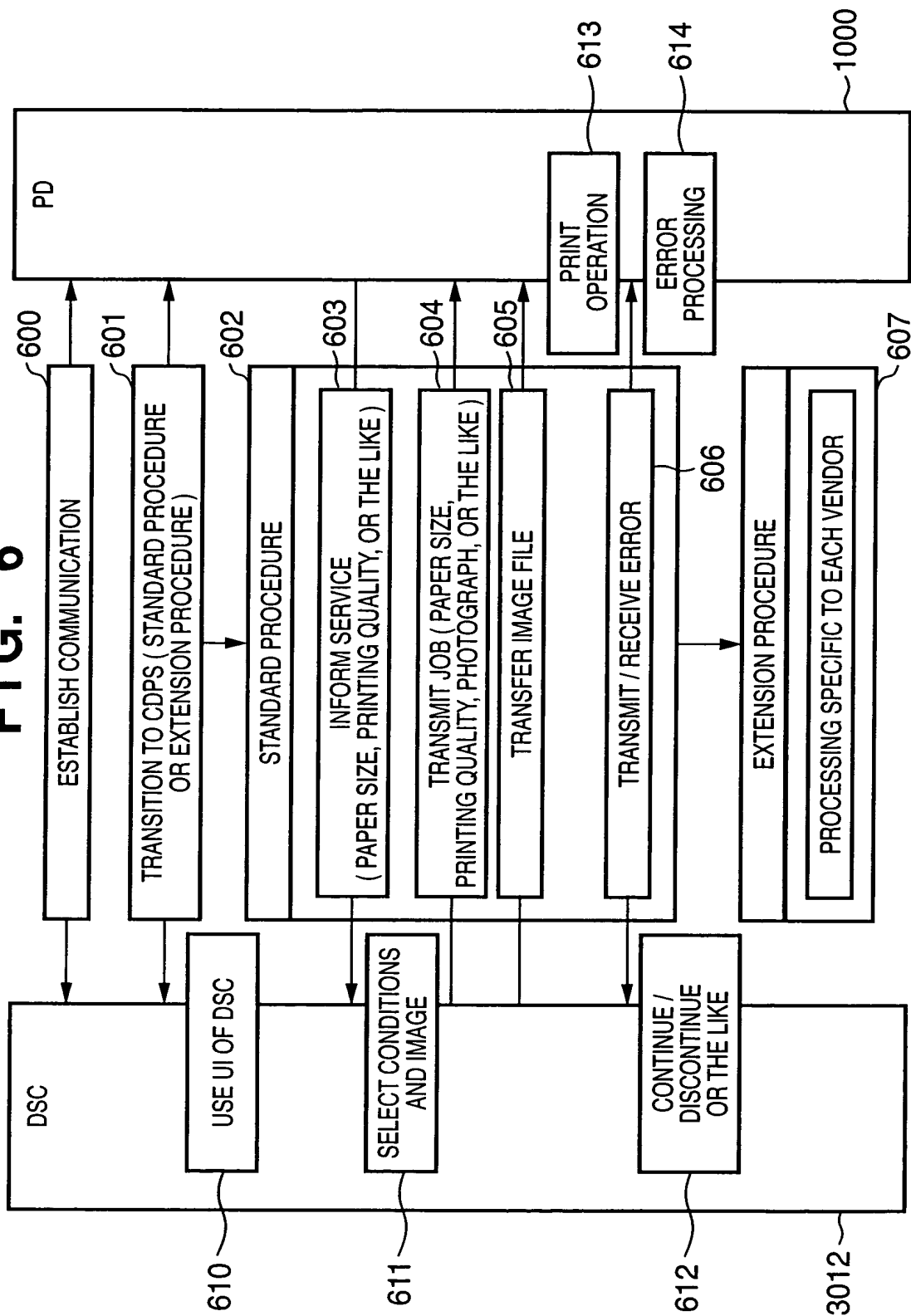
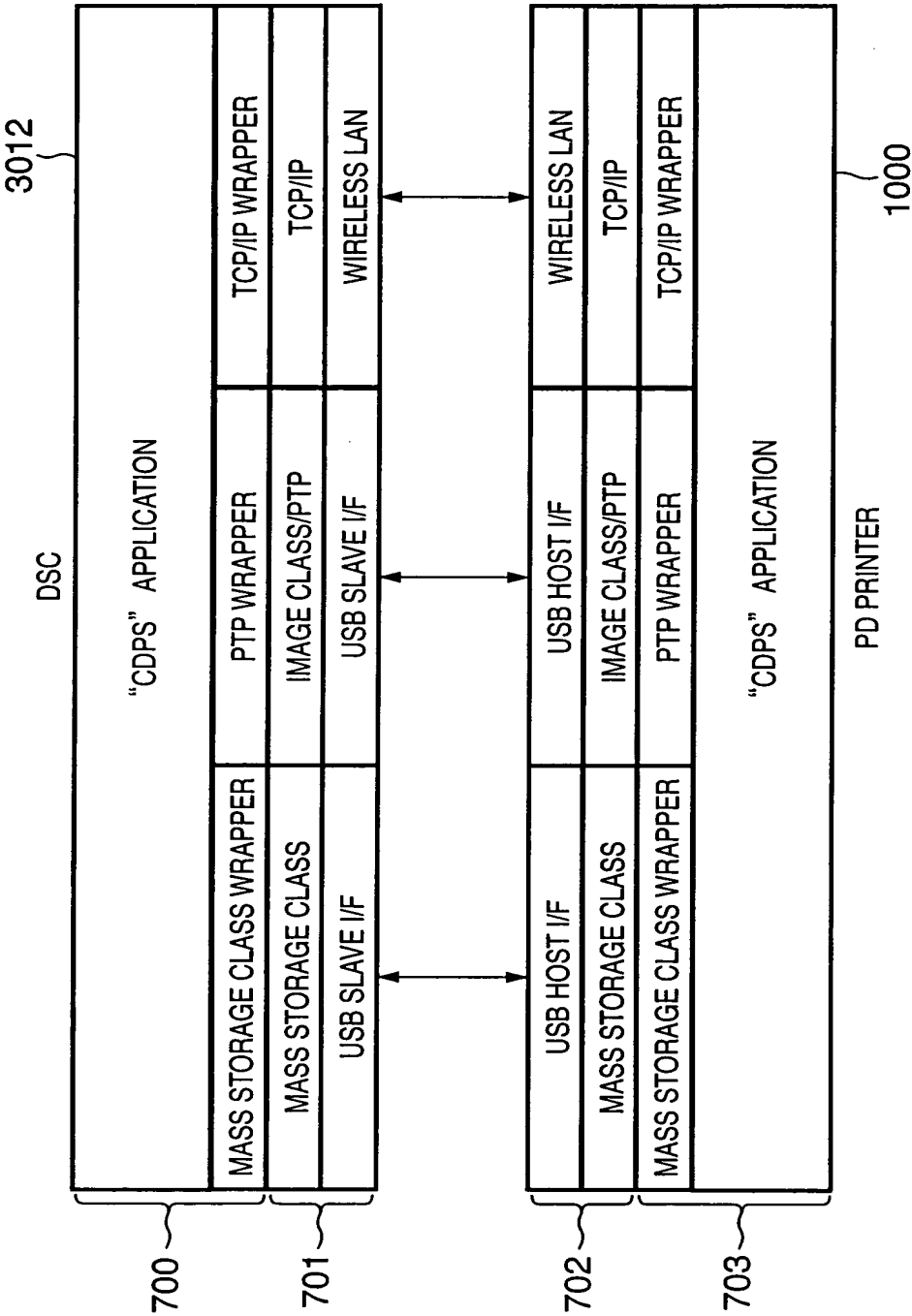




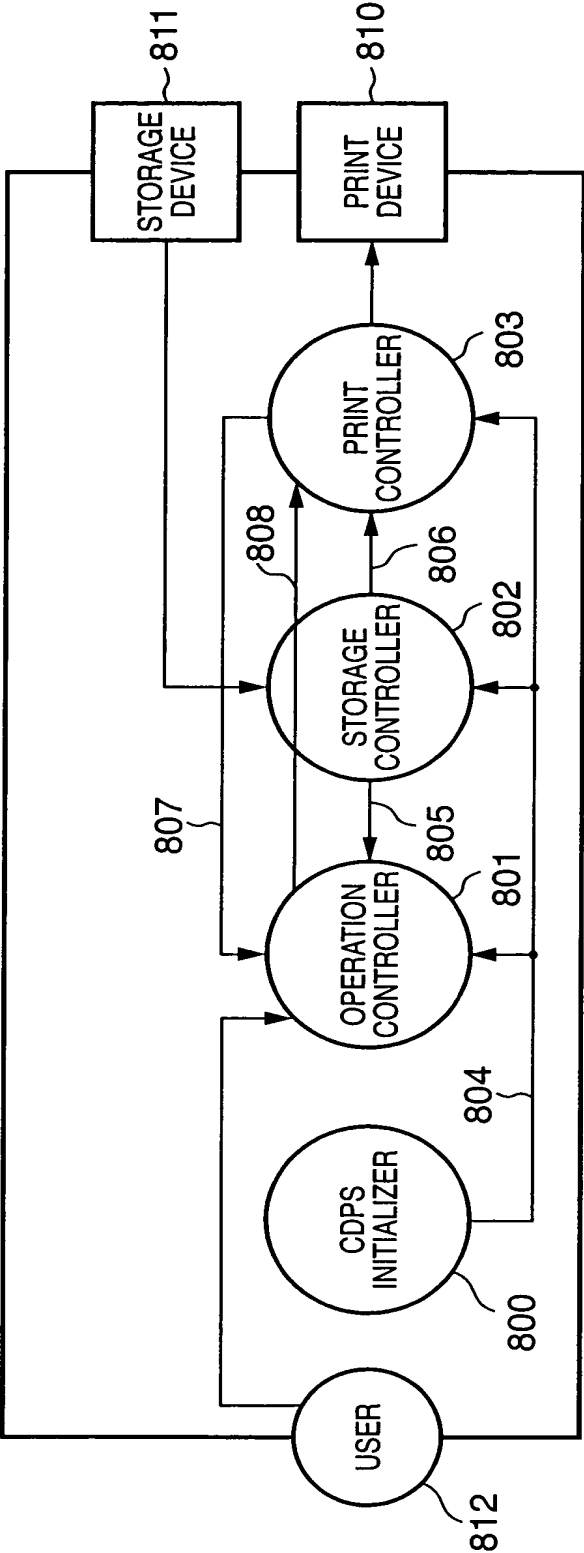
FIG. 7





8/44

FIG. 8





9/44

FIG. 9

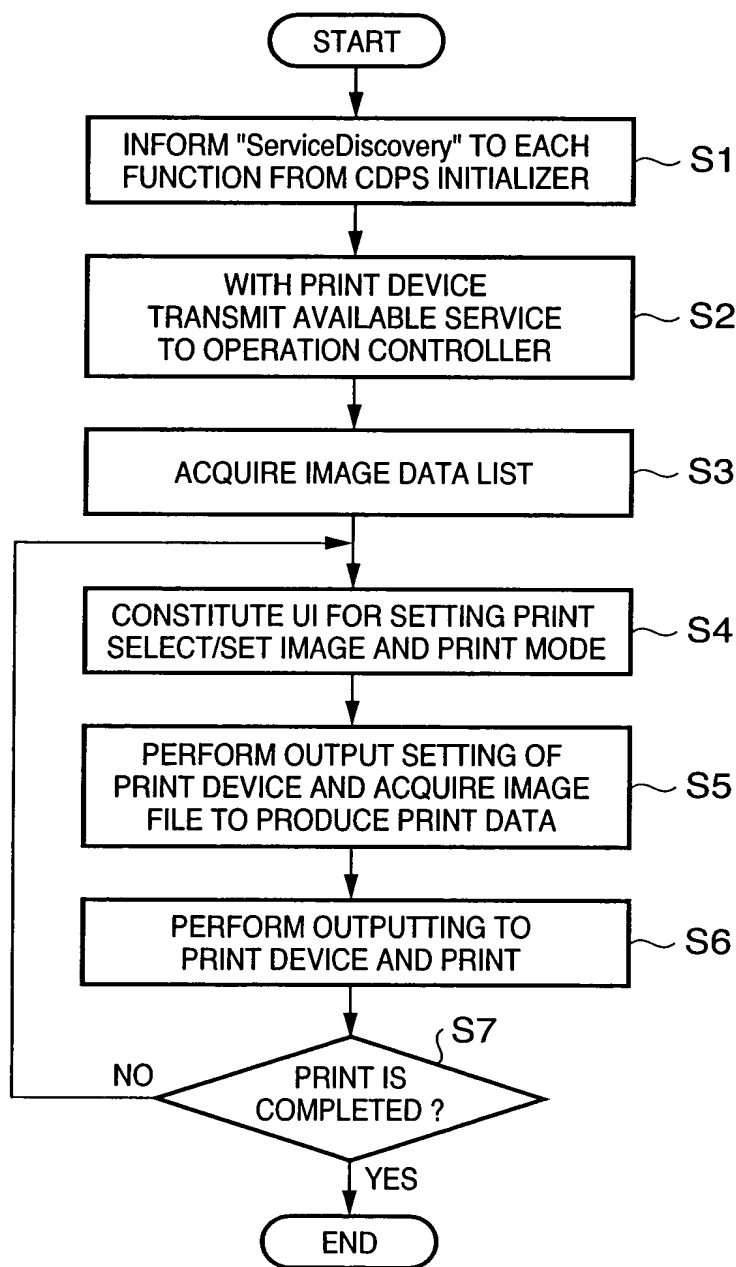
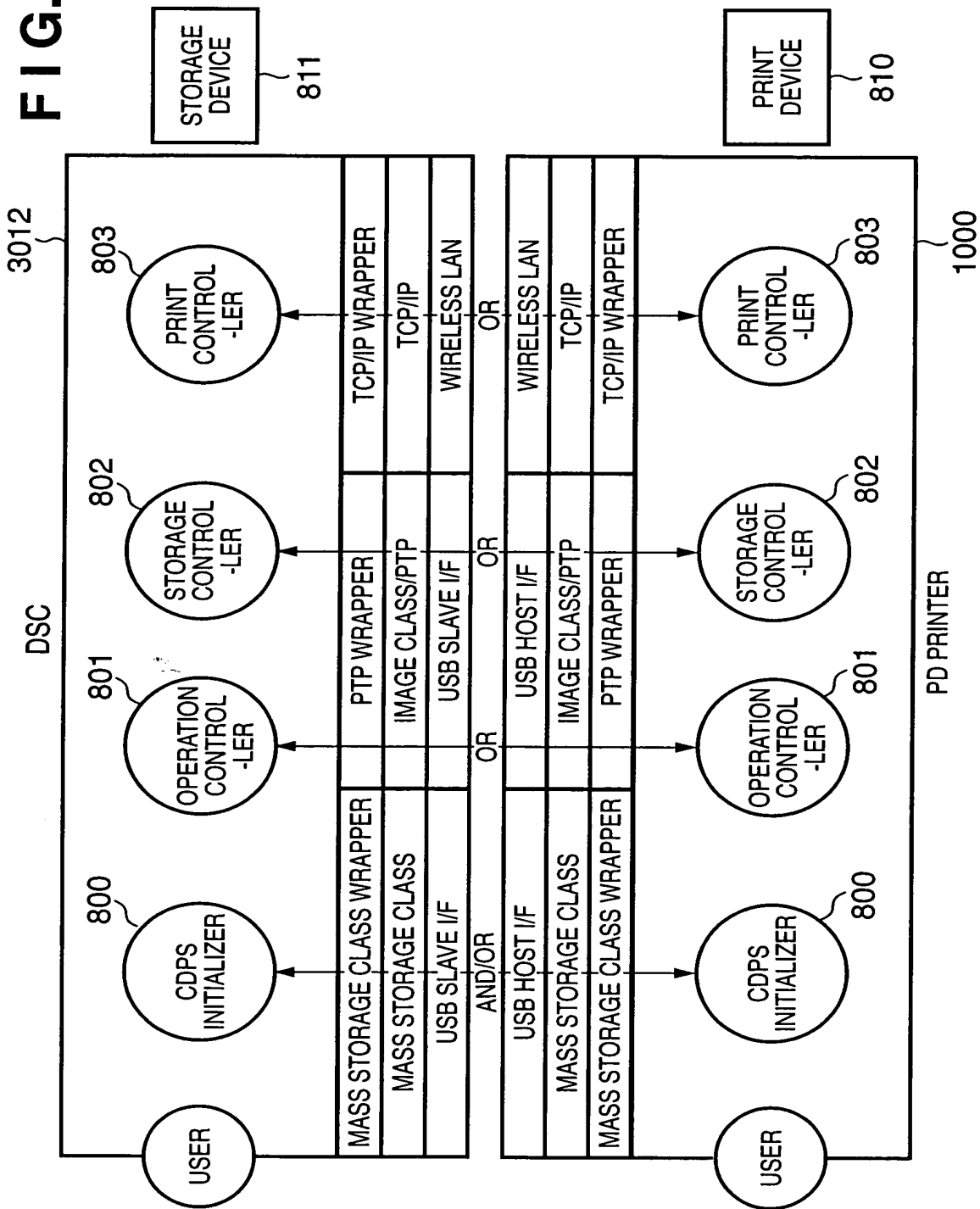


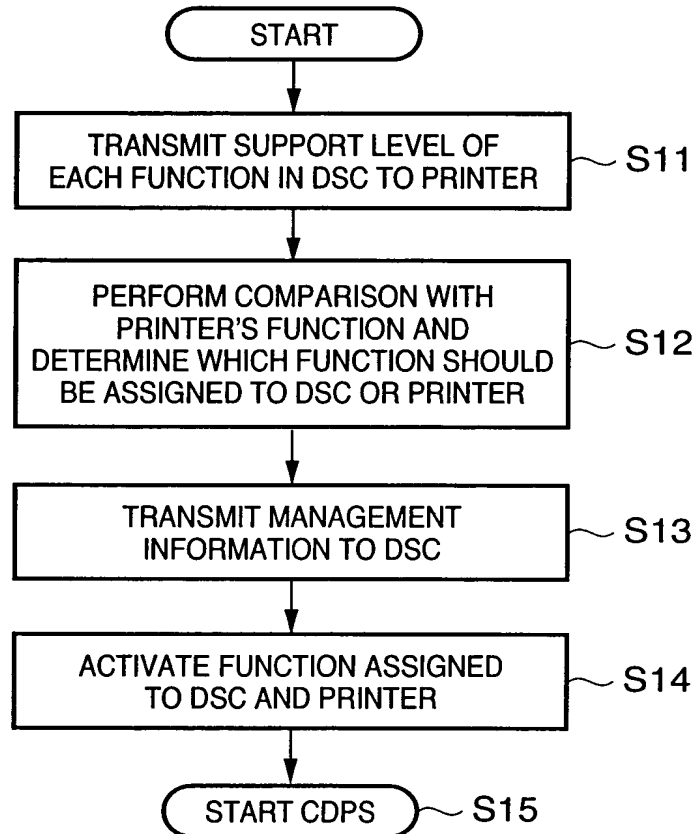
FIG. 10





11/44

FIG. 11





12/44

FIG. 12

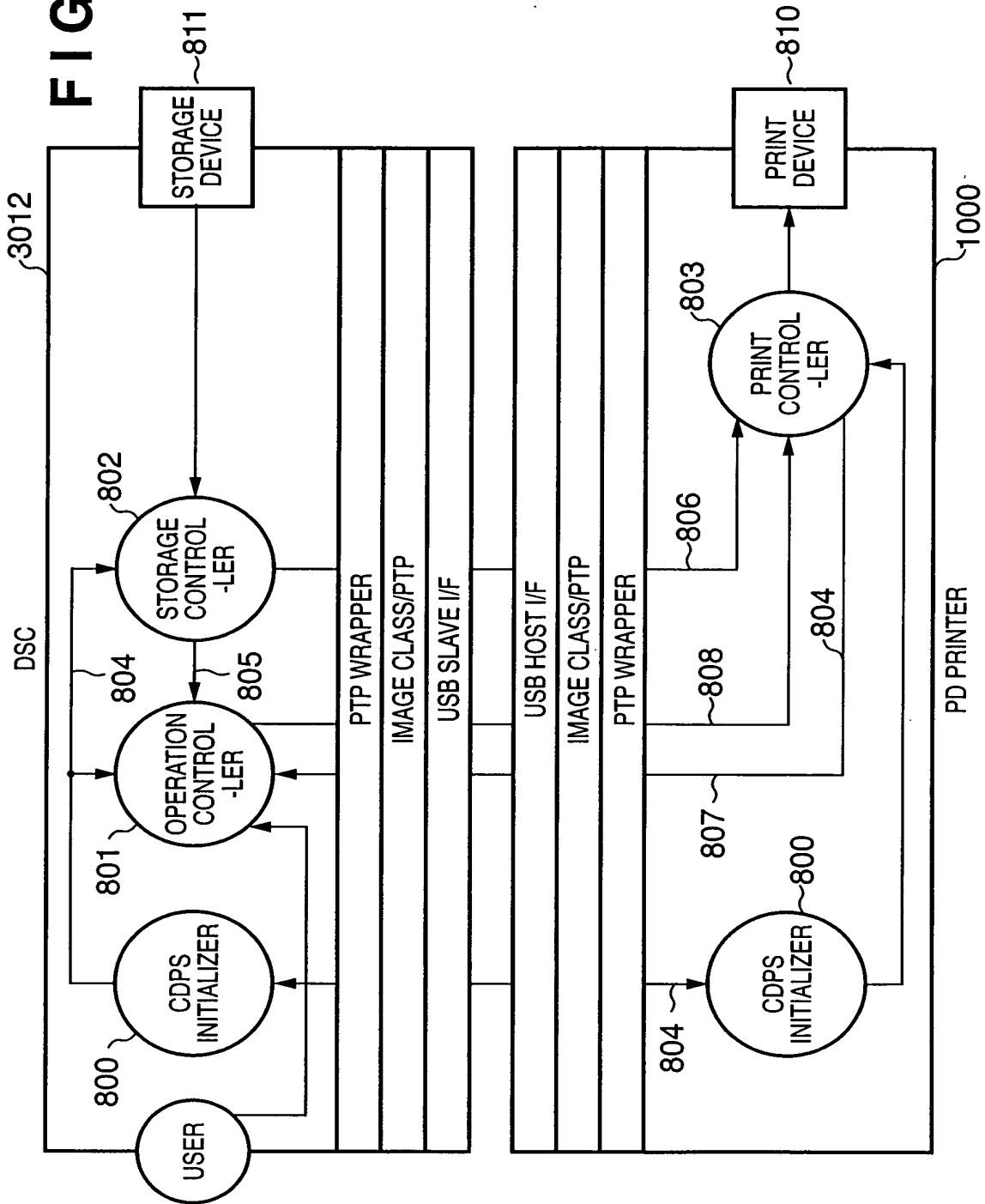
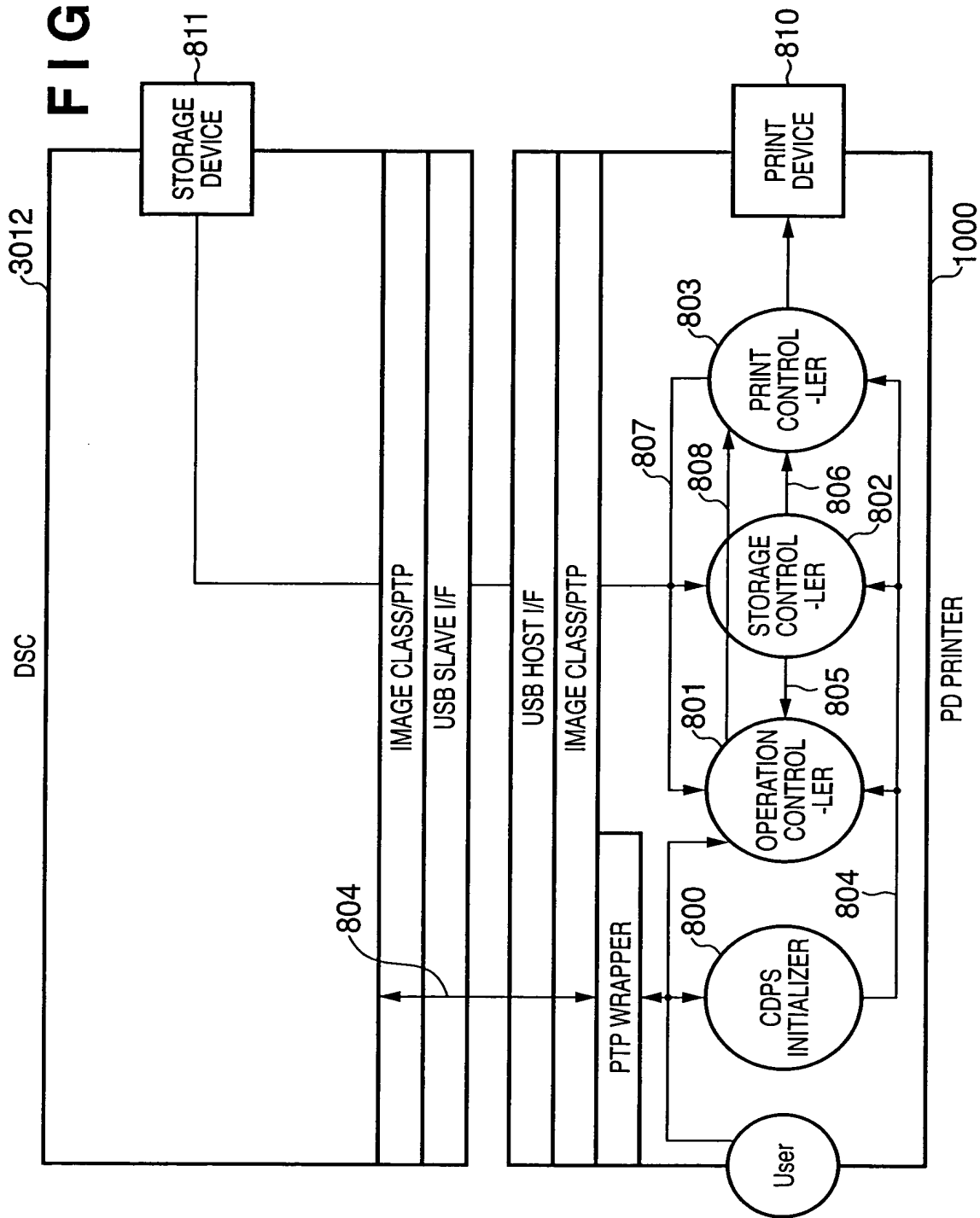




FIG. 13



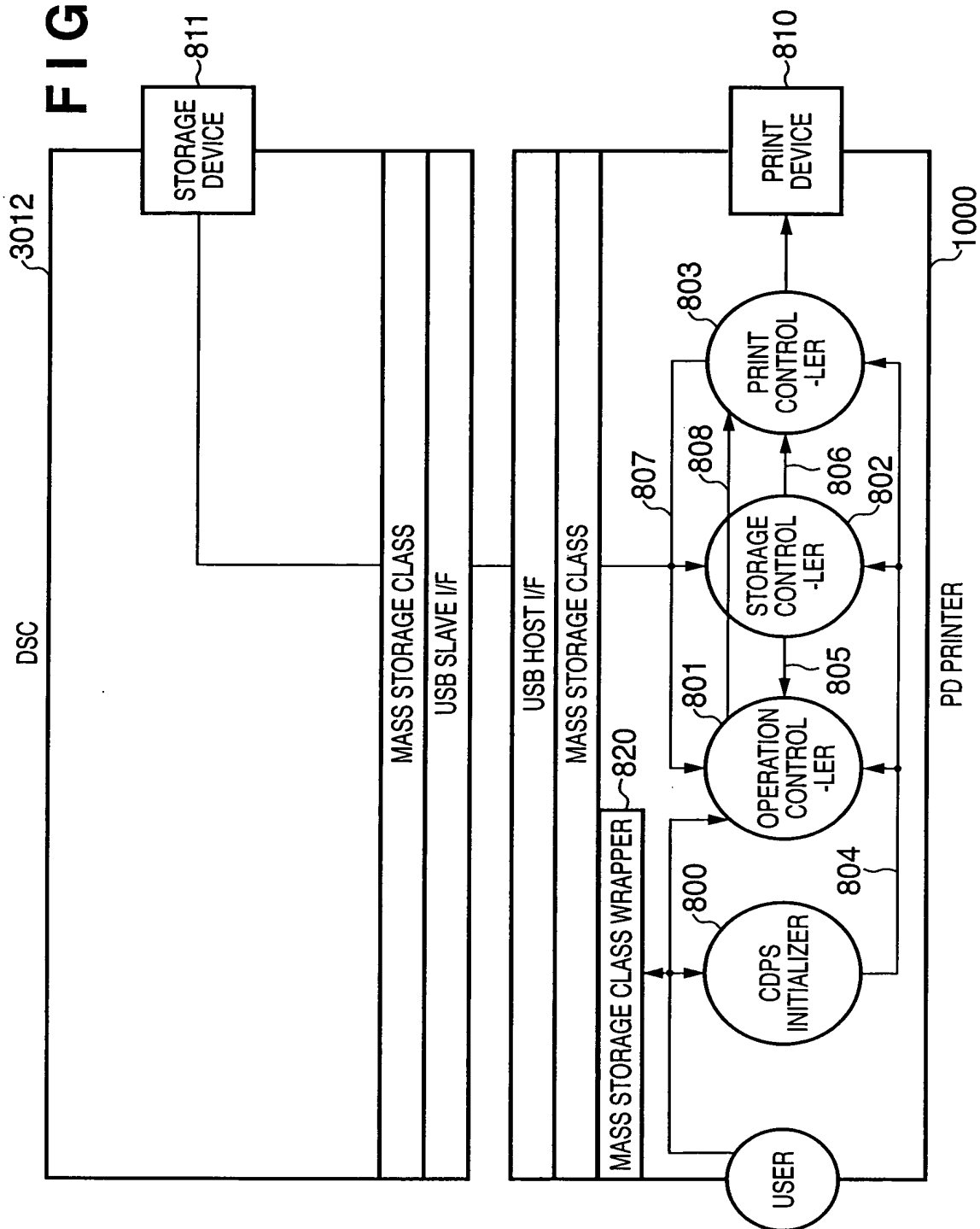




FIG. 15A

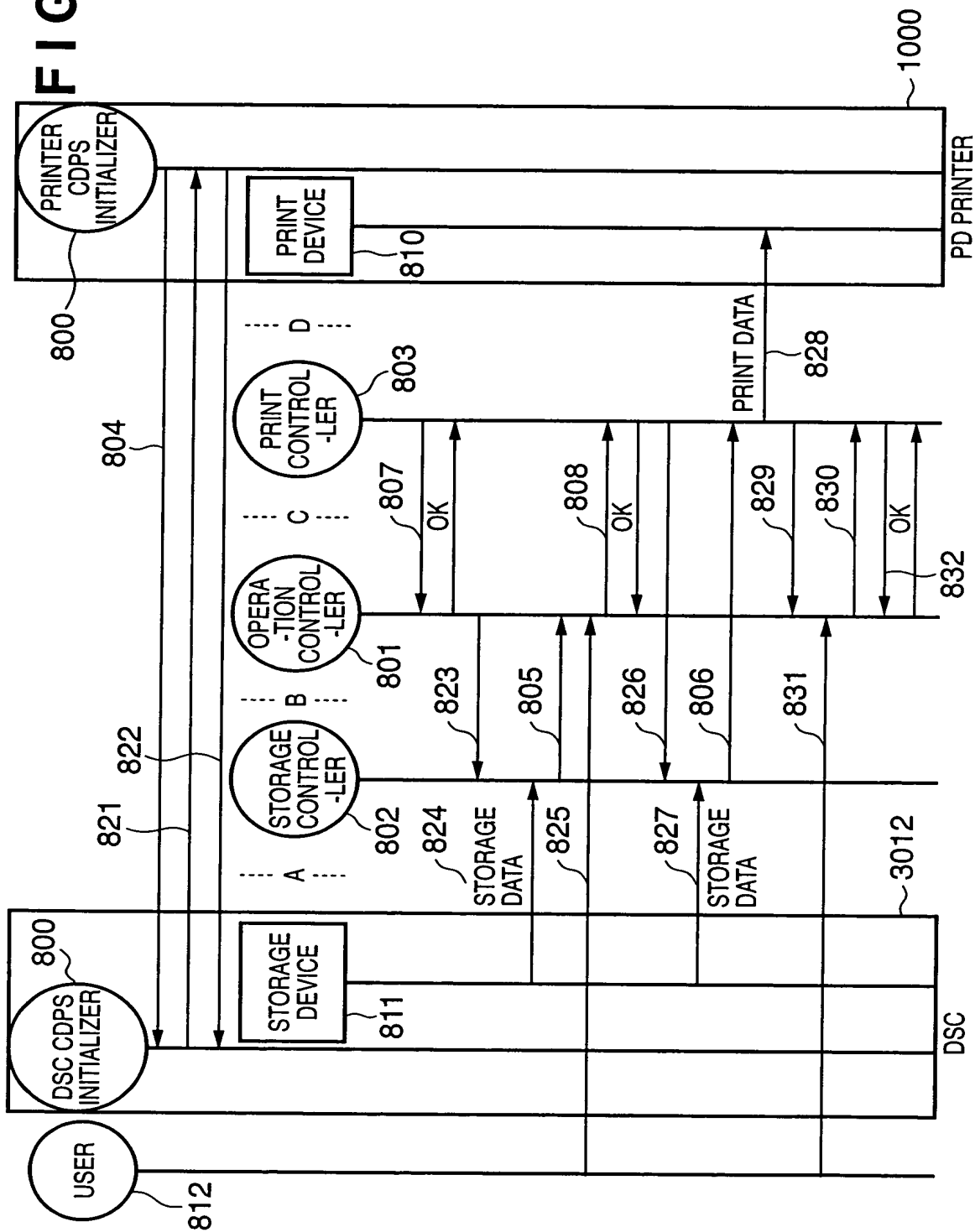
| ESSENTIAL FUNCTIONS | | | |
|----------------------|----------------------|-----------------------|--|
| ISSUE | | FUNCTION NAME | FUNCTION |
| ORIGIN | DESTINATION | | |
| INITIALIZE | INITIALIZE | CDPS_ServiceDiscovery | TRANSITION TO CDPS |
| PRINT CONTROLLER | OPERATION CONTROLLER | CDPS_Service | NOTIFICATION OF PRINTER'S FUNCTIONS |
| PRINT CONTROLLER | OPERATION CONTROLLER | CDPS_PageStart | NOTIFICATION OF PRINT START (EVERY TIME ONE PAGE IS FED) |
| PRINT CONTROLLER | OPERATION CONTROLLER | CDPS_PageEnd | NOTIFICATION OF PRINT END (EVERY TIME ONPAGE IS DISCHARGED) |
| PRINT CONTROLLER | OPERATION CONTROLLER | CDPS_JobEnd | NOTIFICATION OF THE COMPLETION OF A PRINT JOB |
| PRINT CONTROLLER | OPERATION CONTROLLER | CDPS_Error | NOTIFICATION OF ERROR (WARNING/FATAL) |
| PRINT CONTROLLER | STORAGE | CDPS_JobData | ACQUIRE AN IMAGE OF JPEG OR THE LIKE FROM STORAGE |
| OPERATION CONTROLLER | STORAGE | CDPS_DataList | ACQUIRE AN INFORMATION LIST OF JPEG OR THE LIKE FROM STORAGE |
| OPERATION CONTROLLER | PRINT CONTROLLER | CDPS_Job | PRINT COMMAND |
| OPERATION CONTROLLER | PRINT CONTROLLER | CDPS_JobAbort | PRINT STOP COMMAND |
| OPERATION CONTROLLER | PRINT CONTROLLER | CDPS_JobContinue | PRINT RESUME COMMAND |

FIG. 15B

| OPTIONAL FUNCTION | | |
|-------------------|-------------|--|
| ISSUE | | FUNCTION |
| ORIGIN | DESTINATION | |
| PRINT CONTROLLER | STORAGE | CDPS_PartialJobData |
| | | ACQUIRE A PART OF AN IMAGE OF JPEG OR THE LIKE FROM STORAGE |



FIG. 16





17/44

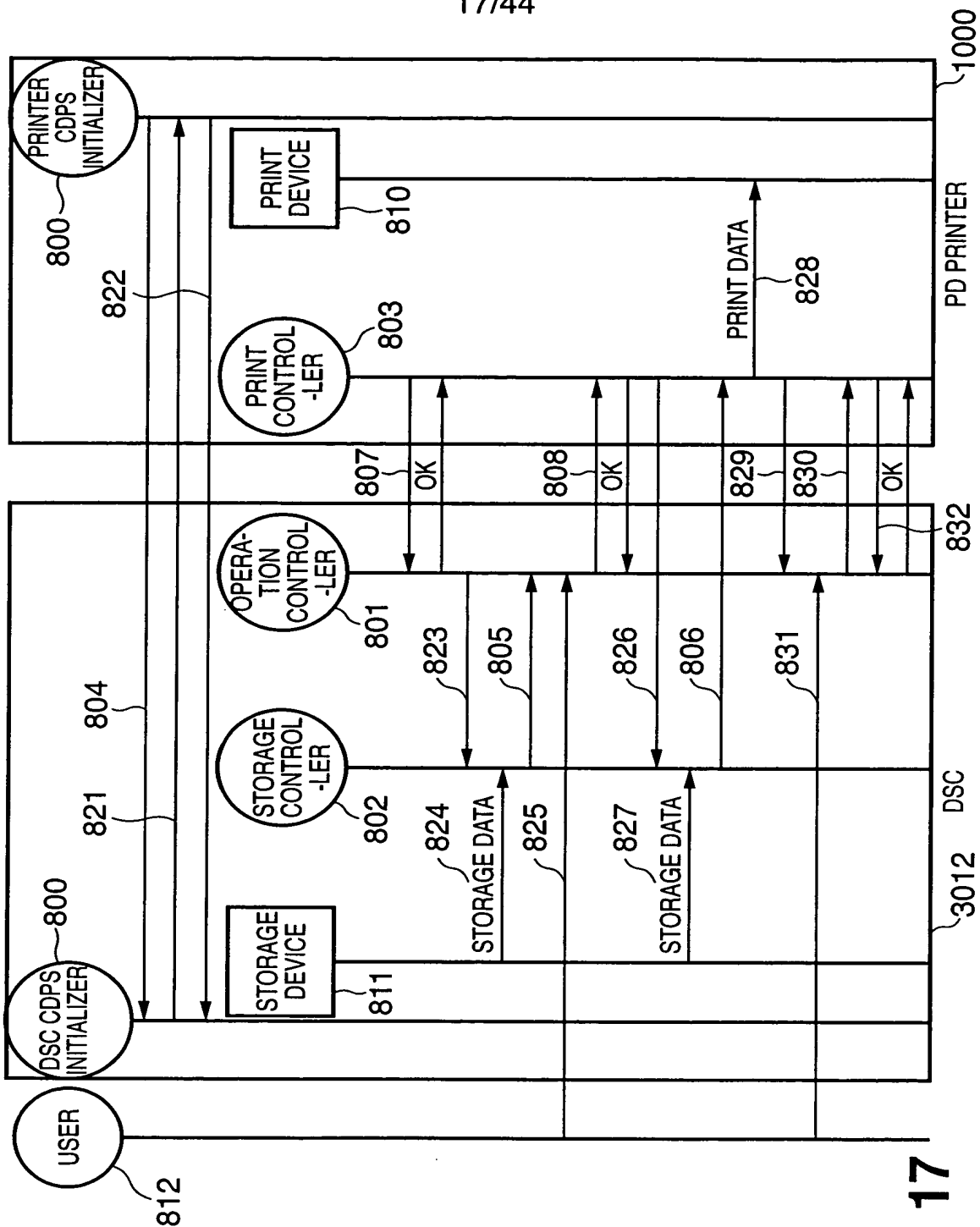


FIG. 17

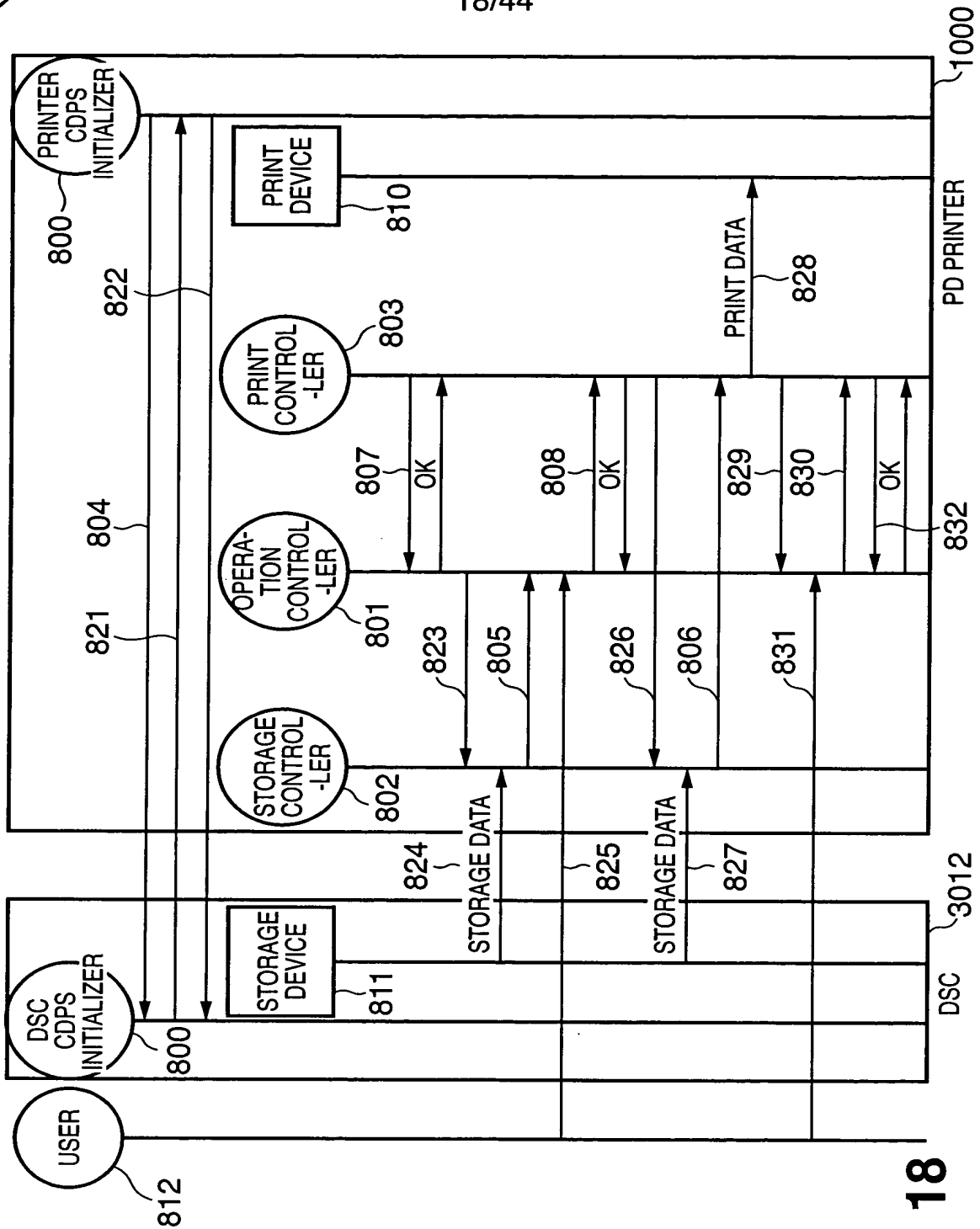




FIG. 19

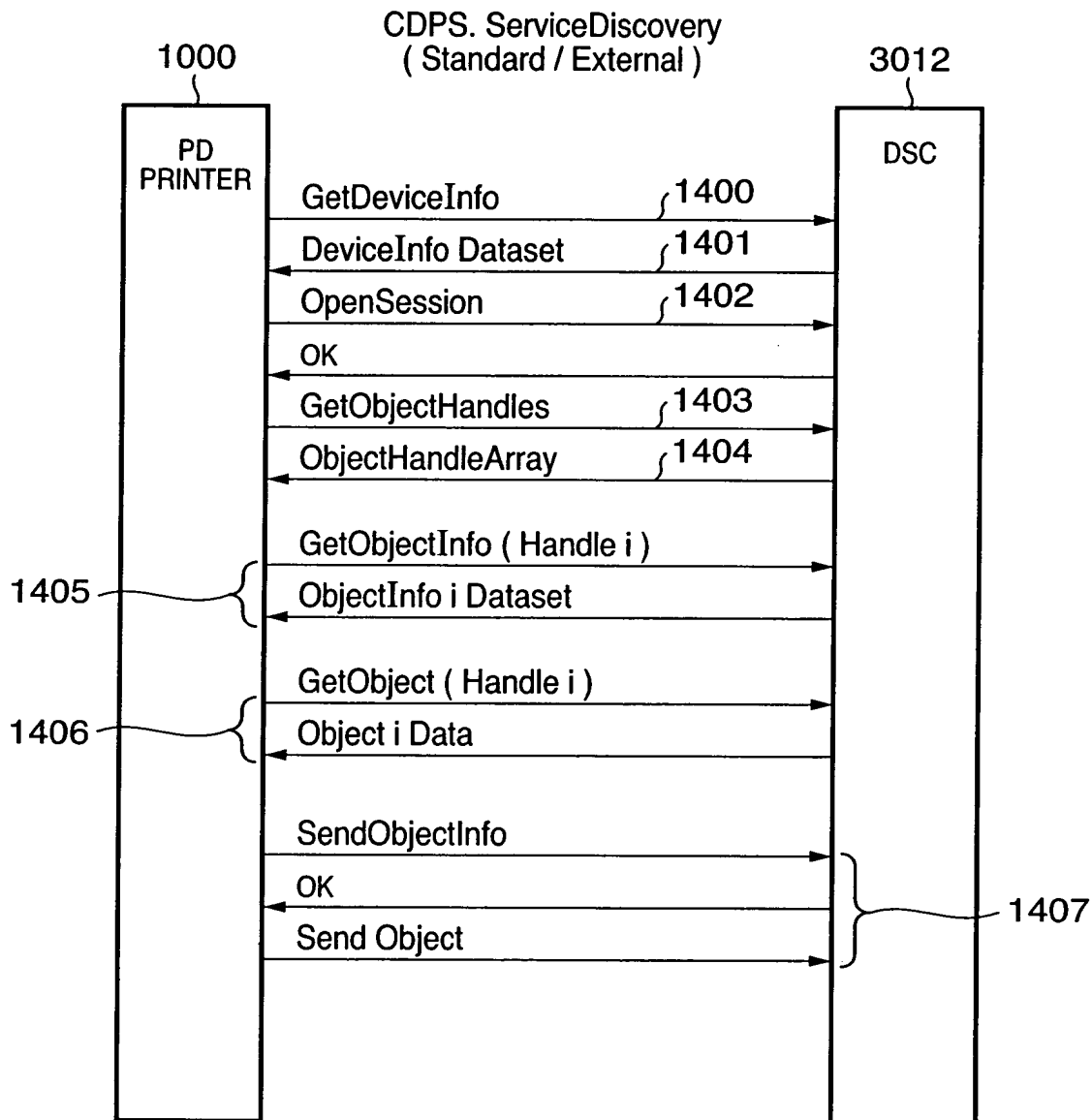




FIG. 20

CDPS_Service Discovery (STANDARD / EXTENSION)

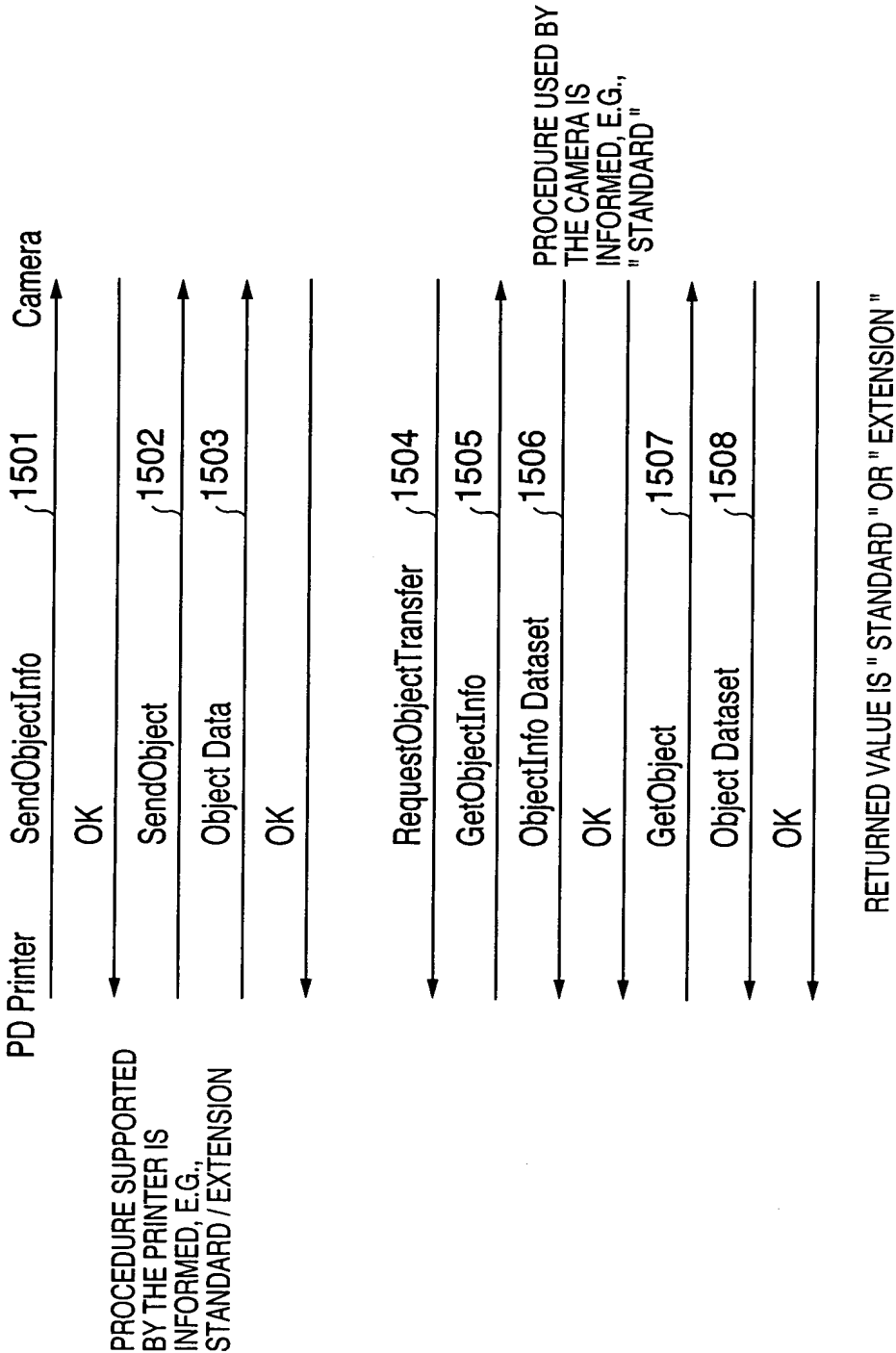




FIG. 21

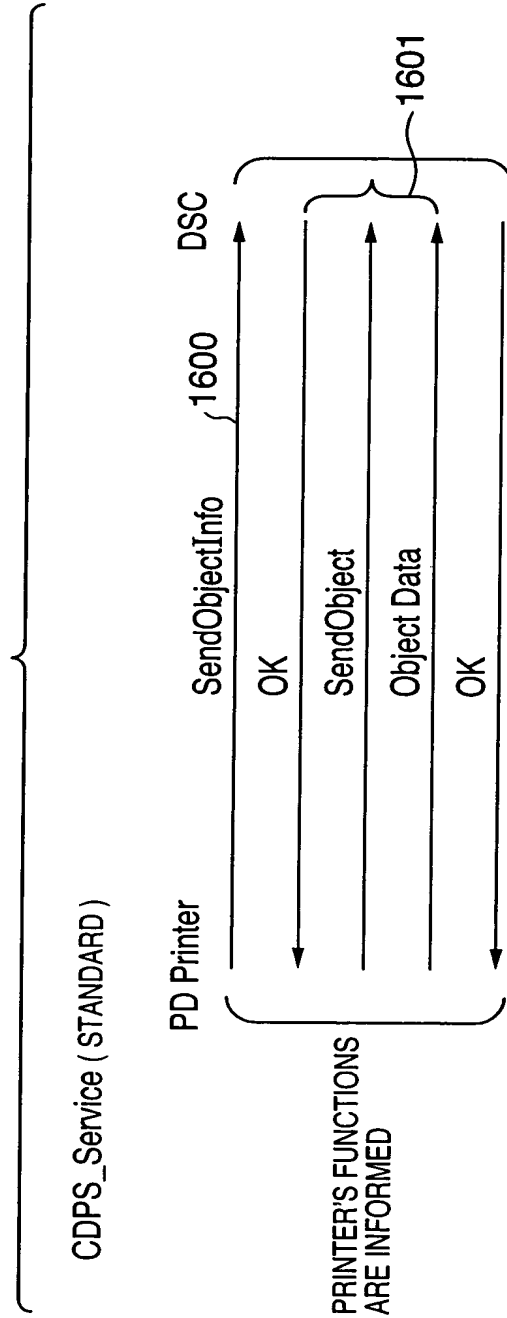




FIG. 22

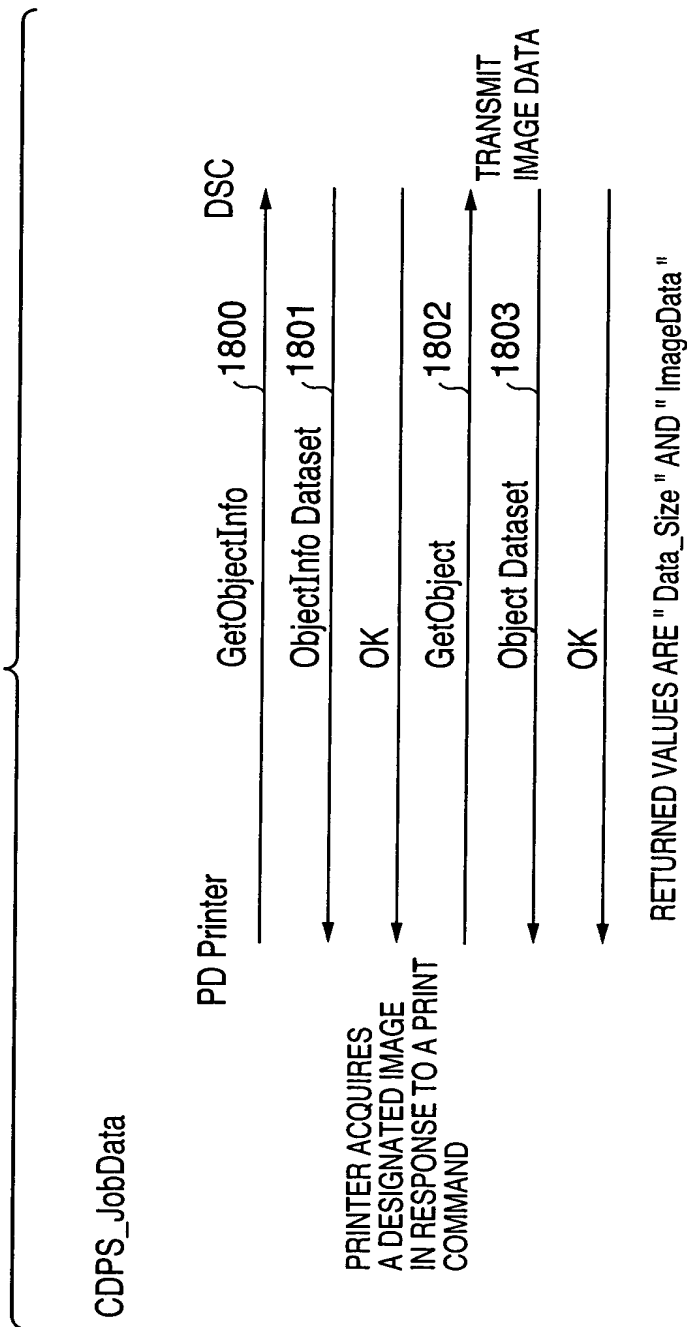




FIG. 23

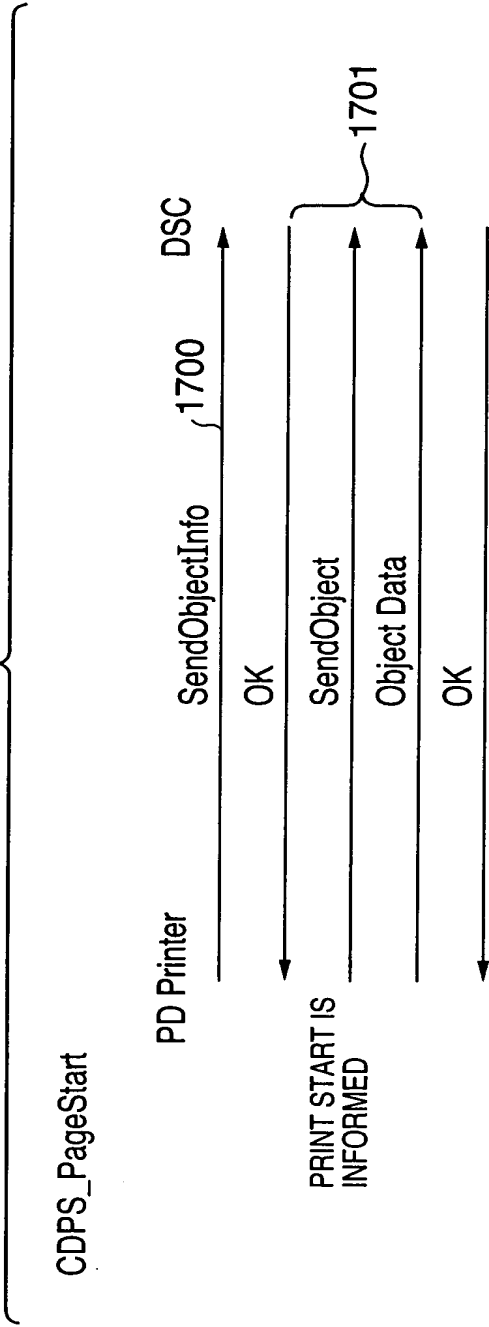
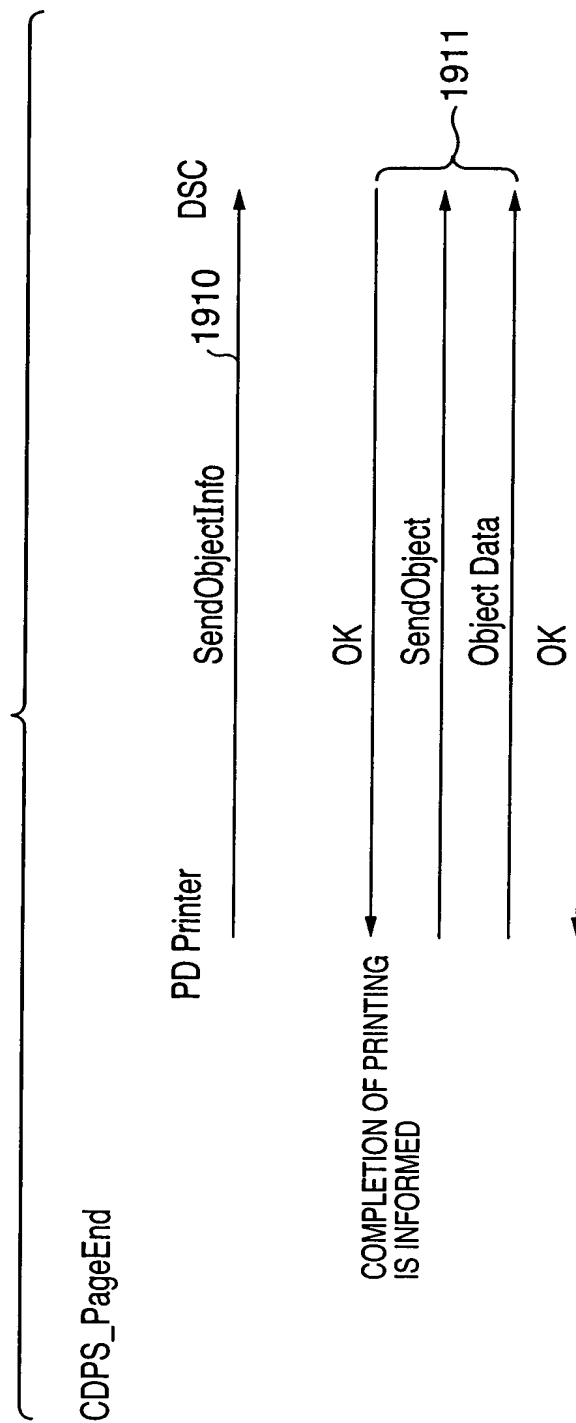




FIG. 24





25/44

FIG. 25

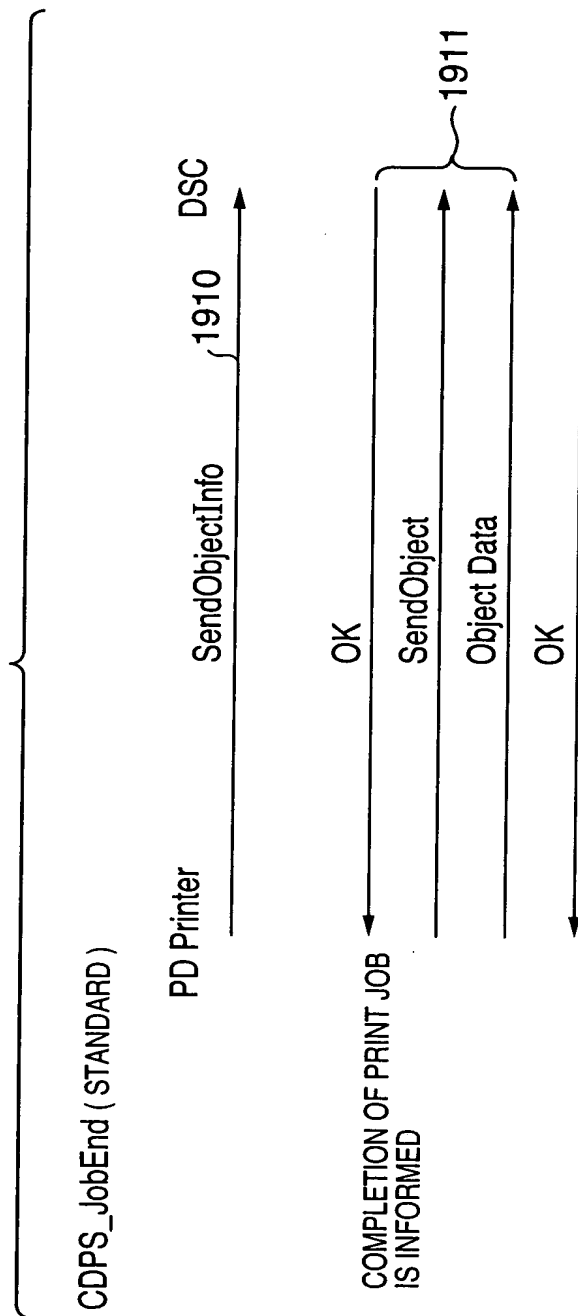
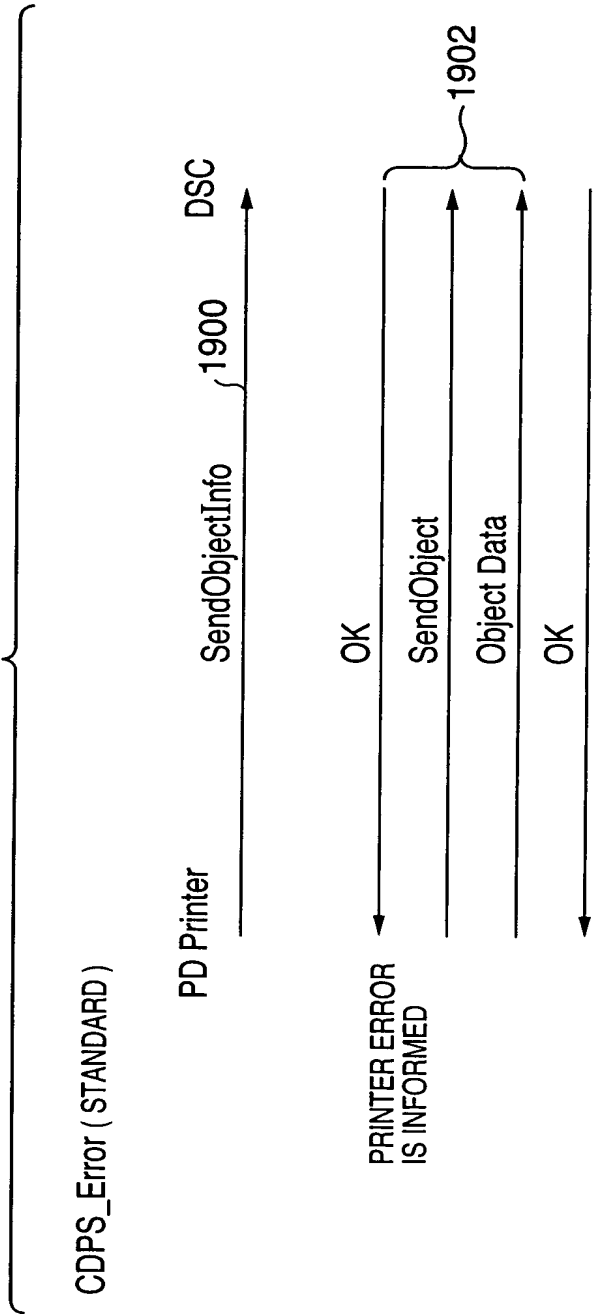




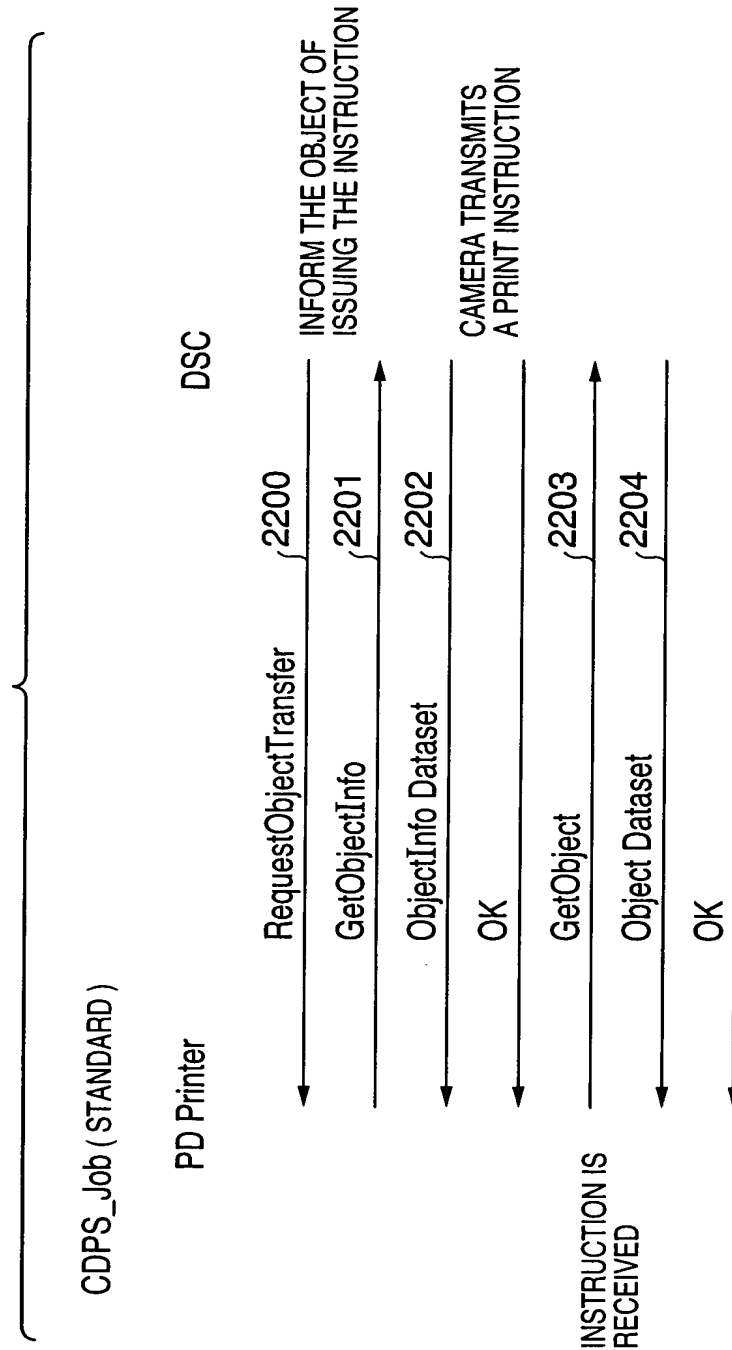
FIG. 26





27/44

FIG. 27





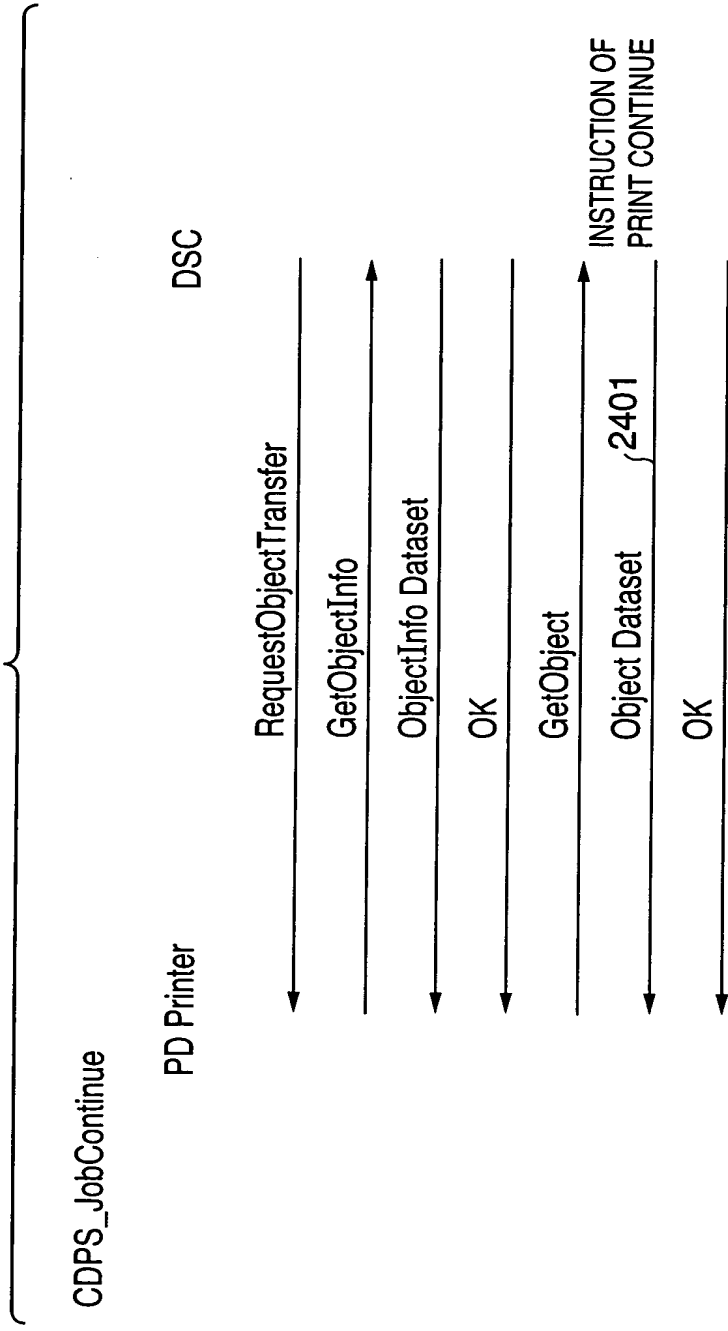
28/44

FIG. 28





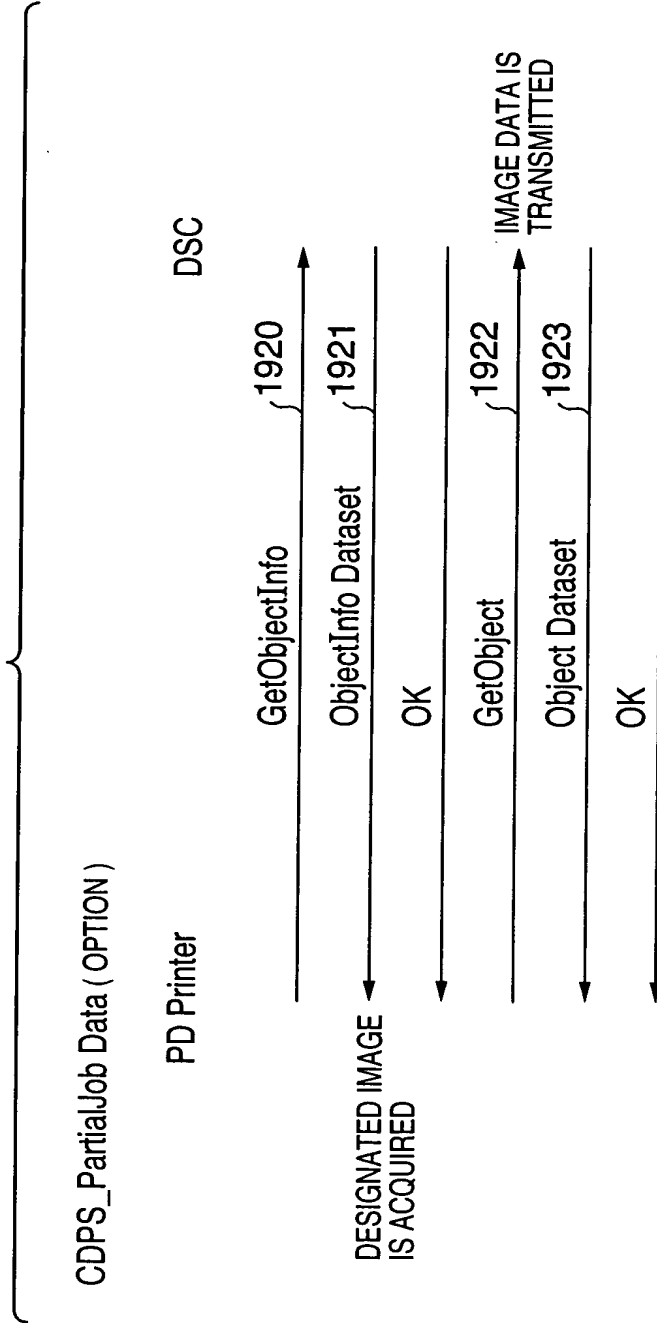
FIG. 29





30/44

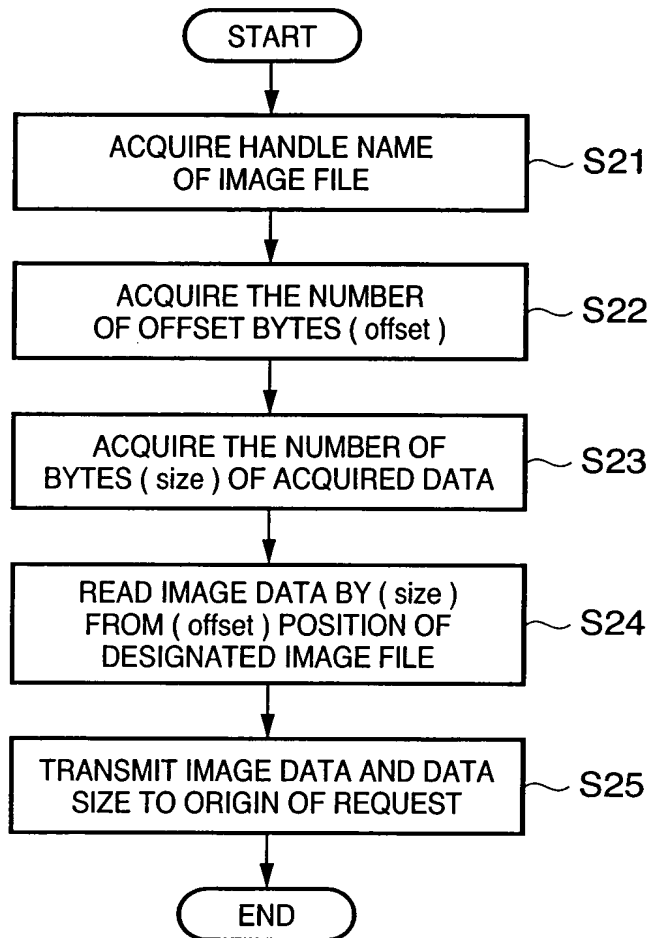
FIG. 30





31/44

FIG. 31





32/44

FIG. 32

CDPS_ServiceDiscovery (Standard /Extend)

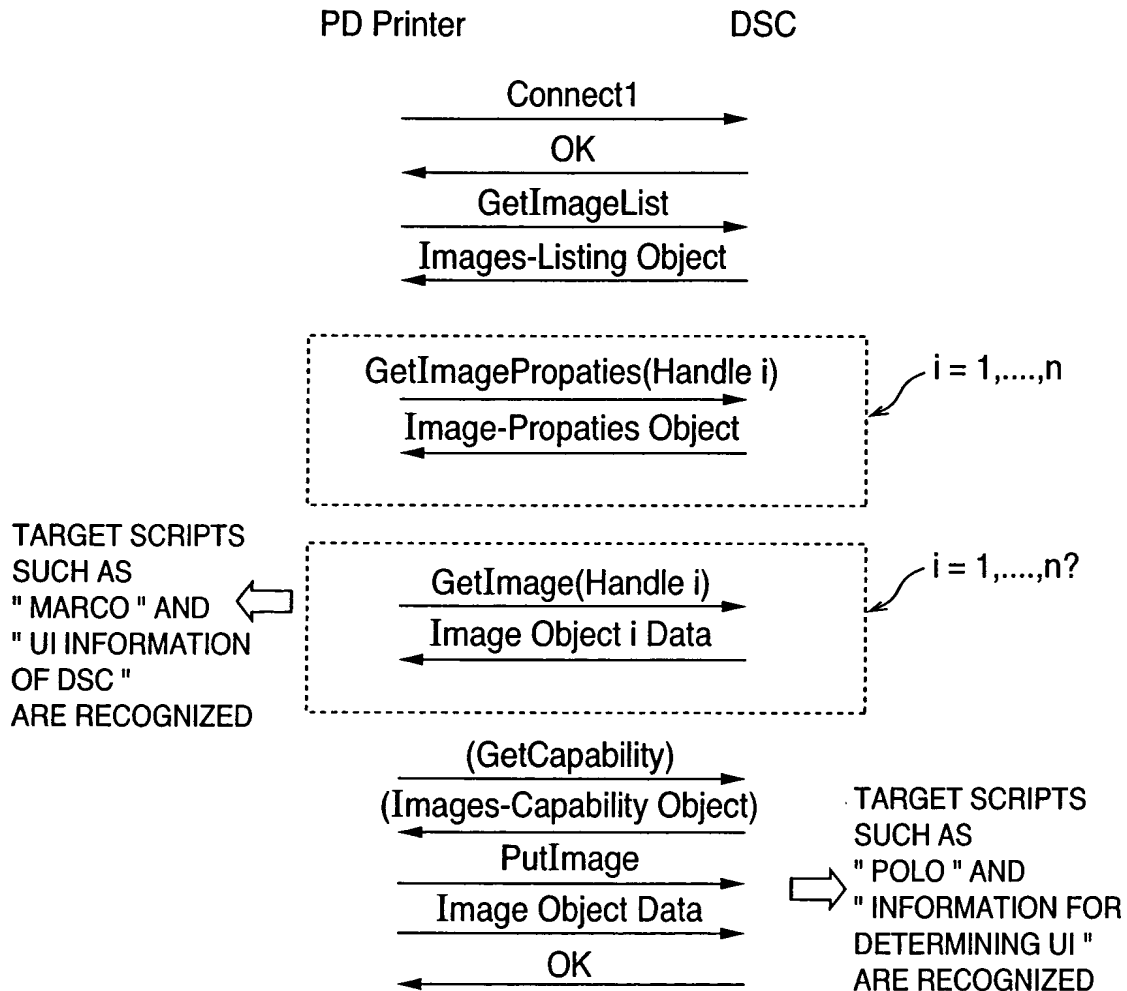
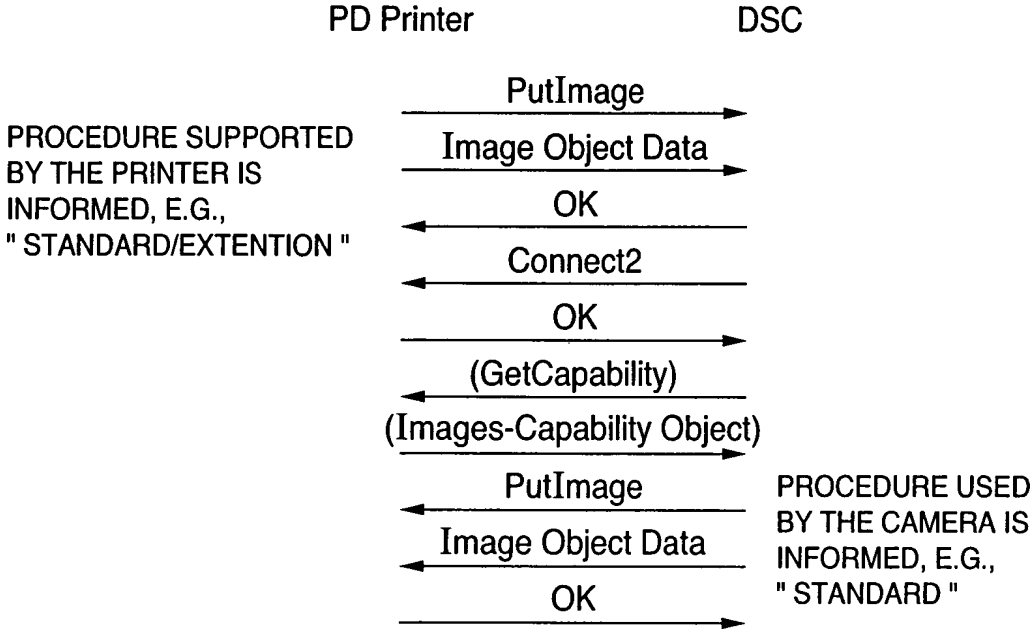




FIG. 33



CONTINUATION OF CDPS_ServiceDiscovery
(Standard / Extend)



RETURNED VALUE IS
" STANDARD " OR " EXTENSION "



34/44

FIG. 34

CDPS_Service (Standard)

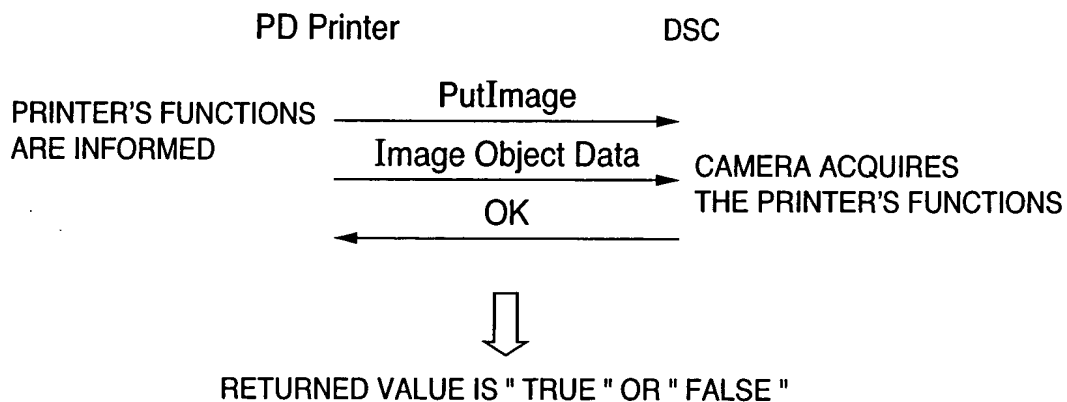
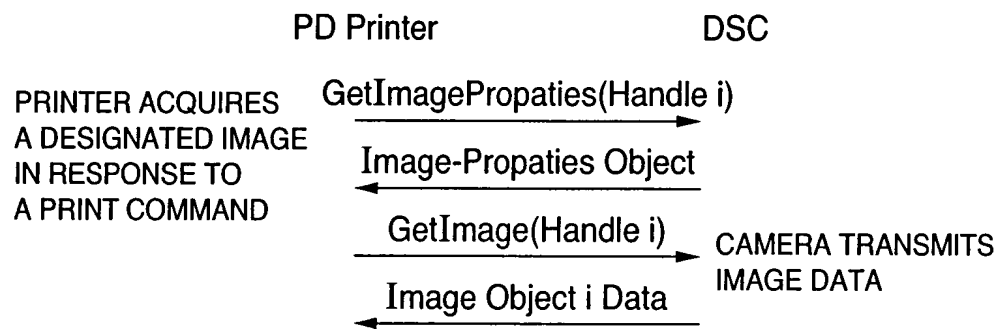




FIG. 35

CDPS_JobData (Standard)



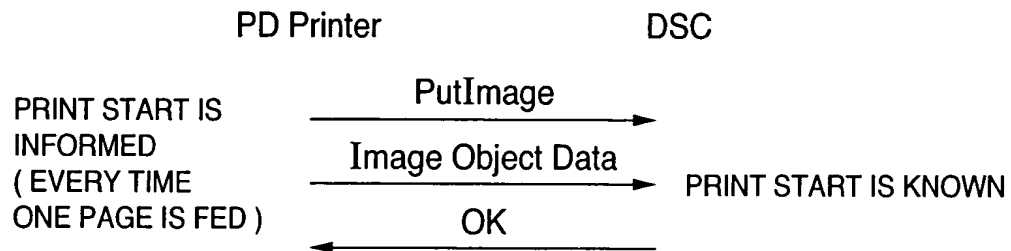
RETURNED VALUE IS
" Data Size " OR " Image Data "



36/44

FIG. 36

CDPS_PageStart (Standard)



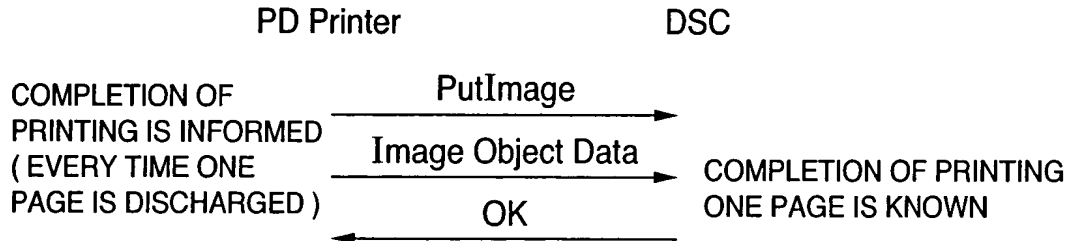
RETURNED VALUE IS " TRUE " OR " FALSE "



37/44

FIG. 37

CDPS_PageEnd (Standard)

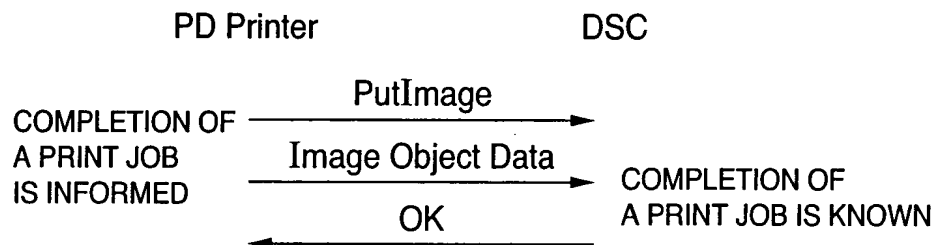


RETURNED VALUE IS " TRUE " OR " FALSE "



FIG. 38

CDPS_JobEnd (Standard)



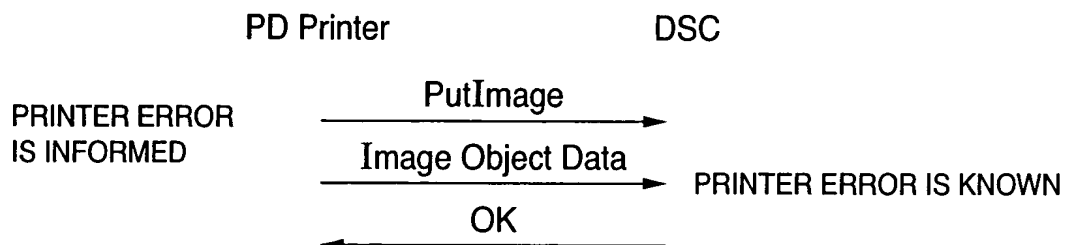
RETURNED VALUE IS " TRUE " OR " FALSE "



39/44

FIG. 39

CDPS_Error (Standard)

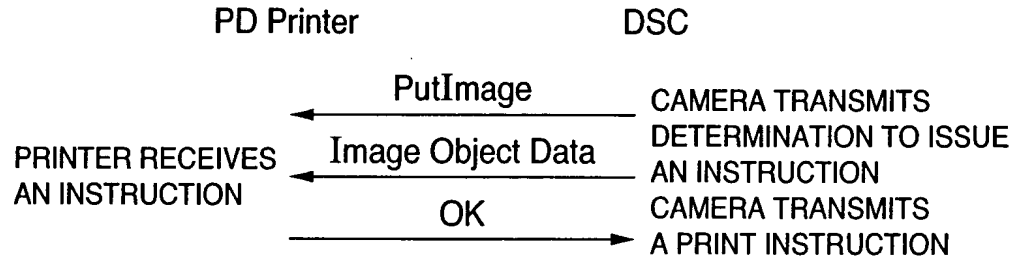


RETURNED VALUE IS " TRUE " OR " FALSE "



FIG. 40

CDPS_Job (Standard)

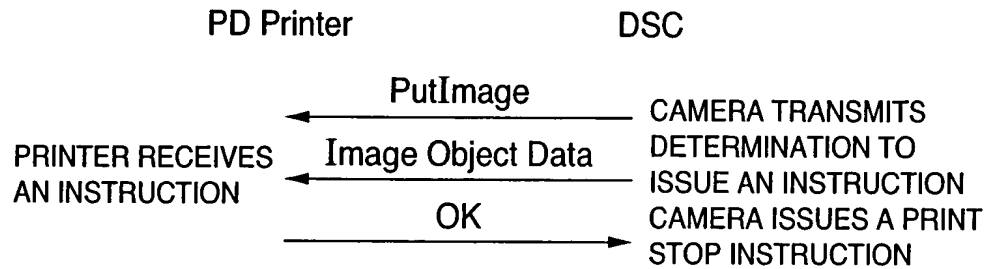


RETURNED VALUE IS " TRUE " OR " FALSE "



FIG. 41

CDPS_JobAbort (Standard)



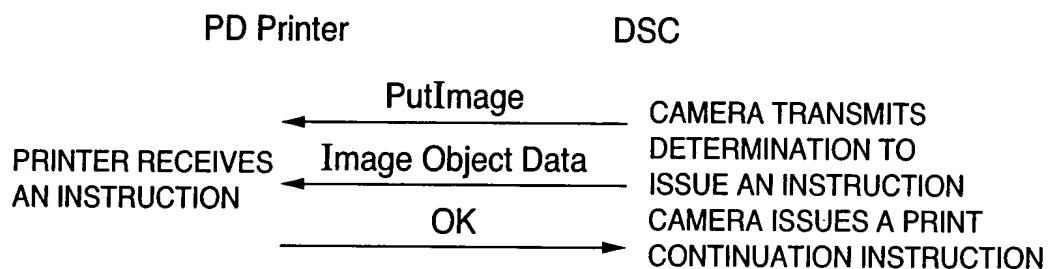
RETURNED VALUE IS " TRUE " OR " FALSE "



42/44

FIG. 42

CDPS_JobContinue (Standard)

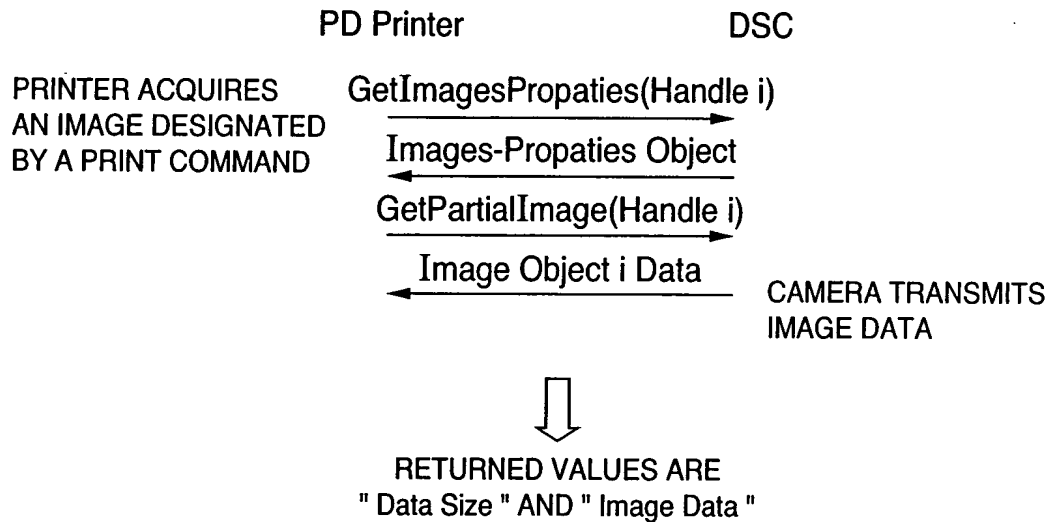


RETURNED VALUE IS " TRUE " OR " FALSE "



FIG. 43

CDPS_PartialJobData (Option)





44/44

FIG. 44A

SUPPORTED LEVELS
BY OPERATION CONTROLLER

| | |
|---|-----------------|
| 4 | Use DSC's |
| 3 | Viewer & Button |
| 2 | Button |
| 1 | Minimum |
| 0 | No Support |

FIG. 44B

SUPPORTED LEVELS
BY STORAGE CONTROLLER

| | |
|---|-----------------|
| 4 | Use DSC's |
| 3 | Handle |
| 2 | File System |
| 1 | Physical Access |
| 0 | No Support |

FIG. 44C

SUPPORTED LEVELS
BY PRINT CONTROLLER

| | |
|---|------------|
| 4 | Use DSC's |
| 3 | Rendering |
| 2 | Halftoning |
| 1 | Encoding |
| 0 | No Support |